Population Survey of the Oyster *Crassostrea virginica* in the Dunk River Estuary, Prince Edward Island, 1977

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POPULATION SURVEY OF THE OYSTER *CRASSOSTREA VIRGINICA* IN THE DUNK RIVER ESTUARY, PRINCE EDWARD ISLAND, 1977

by

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ABSTRACT

Hawkins, C.M. and T.W. Rowell. 1985. Population survey of the oyster Crassostrea virginica in the Dunk River Estuary, Prince Edward Island, 1977. Can. MS Rep. Fish. Aquat. Sci. 1863: iv + 108 p

This is the final report in a series of seven which examine temporal changes in the oyster population of the Dunk River, Prince Edward Island. The report tabularizes and graphically presents information on the distribution, abundance, size, and age composition of oysters collected in 1977. Oyster density ranged from 0-878 m^{-2}. Fifty-eight percent of the sample stations yielded oysters, 1 yr old oysters representing 61.8% of the population being most abundant. Two, 3, and 4 yr old and older oysters accounted for 16.4%, 8.1% and 3.7% of the sample population respectively. Size frequency histograms for individual stations indicated that spatfall settlement and survival appeared regular throughout the area sampled.

RÉSUMÉ

Hawkins, C.M. and T.W. Rowell. 1985. Population survey of the oyster Crassostrea virginica in the Dunk River Estuary, Prince Edward Island, 1977. Can. MS Rep. Fish. Aquat. Sci. 1863: iv + 108 p

Le présent document est le dernier d'une série de sept rapports portant sur les changements temporels qui touchent la population d'huîtres de la rivière Dunk, Ile-du-Prince-Edouard. Le rapport présente des renseignements sous forme de tableaux et de graphiques concernant la distribution, l'abondance, la taille et l'âge des huîtres capturées en 1977. La densité des huîtres a varie de 0 à 878 par m^2. Des huîtres ont été capturées dans 58% des stations d'échantillonnage. Les huîtres âgées d'un an étaient les plus abondantes; elles représentaient 61,8% de la population. Les huîtres âgées de deux, trois et quatre ans et plus représentaient respectivement 16,4%, 8,1% et 3,7% de la population échantillonnée. Les histogrammes de fréquences relatifs à la taille dans les différentes stations ont indiqué que la fixation des larves sur un support et la survie ont semblé régulière dans toute la région échantillonnée.

INTRODUCTION

This Manuscript Report is the seventh and final report in a series which examines the population structure of Crassostrea virginica in the Dunk River Estuary, Prince Edward Island. This long-term monitoring program began in August 1969 and continued to 1977, with the exception of 1971 when no survey was undertaken. Presented here are data on the distribution, abundance, and size composition of oysters in the Estuary during July and August 1977.

MATERIALS AND METHODS

The study area, methods of data acquisition, and sampling procedures have been previously described by Hawkins and Rowell (1985a). The survey was conducted from July 22 to August 17, 1977. To facilitate comparisons with other Manuscript Reports in this series, any samples for areas less than 1 m^2 in size have been adjusted to 1 m^2. Sixteen transect locations and 186 sampling station positions are shown in Figure 1.

RESULTS AND DISCUSSION

Table 1 lists sampling stations along with oyster density and fresh weight (in kilograms) per square meter, size range, mean size (in centimeters), and standard deviation of live oysters collected at each station. Figure 2 shows the distribution of loose shell material collected at each station. Wet weight of this material ranged from 0-9.67 kg m^{-2}. In 20.4% of all stations the amount of loose shell material exceeded 2.0 kg. In the previous year (1976) (Hawkins and Rowell 1985f), 35.9% of the stations exhibited densities of loose shell material exceeding 2.0 kg m^{-2}.

Oyster density per square meter at each station is shown in Figure 3. Over all stations the density of live oysters ranged from 0-878 individuals m^{-2}. Approximately 42% of the stations occupied had no oysters.

Following the oyster density classificiation of Lavoie (1977), low-density areas (≤10 m^{-2}) accounted for 52.7% of the 186 stations examined, intermediate-density areas (11-100 m^{-2}) 31.2%, and high-density areas (>100 m^{-2}) 16.1%. In comparison to the previous year (1976) (Hawkins and Rowell 1985f), low-density areas have increased by 11.4 percentage points; intermediate density areas have also increased (6.2 percentage points), but high-density areas have decreased over the previous year by 17.6 percentage points. Lavoie further indicated that areas of intermediate oyster density are preferred by fishermen, since these areas yield good-quality oysters while requiring little culling effort. While this may be considered significant in a market-direct fishery, it does not apply to the same degree in a relay fishery, such as that in the Dunk River, where the cull size is smaller. Density information based on size (length) and age is more useful in determining oyster availability to the fishery and in the following recruitment patterns.

Figures 4a, b, c, and d show the density per square meter of 1, 2, 3, and 4+ yr old oysters at each sampling station. Ages were approximated from the growth equation established for Dunk River oysters by Lavoie and Bryan

(1981). Figures 5a, b, c, and d present the same data but express the numbers in each age as a percentage of the total number of oysters collected at the sampling station. Approximately 16% (1,723 individuals) of all oysters collected (10,501 individuals) were equal to or greater than 2.5 inches (6.5 cm), the cull size of the relay fishery, while about 9% (971 individuals) were greater than or equal to the minimum market size of 3 inches (7.6 cm). Figure 5a shows that 1 yr old oysters (≤2.5 cm) comprise over 25% of the oysters collected in 46.8% (87 of 186 stations) of the total number of stations examined. Figure 5b indicates that in 25.8% of the 186 stations examined, 2 yr old oysters (2.6-4.5 cm) made up between 26-100% of the oysters collected. Other ages were less abundant and did not predominate in as large a percentage of the stations examined.

Size frequency histograms were also constructed for each station with more than 10 individuals m^{-2} (Fig. 6). Lower densities were not considered representative of populations within a square meter quadrat. Size frequency distributions were relatively similar among the stations, reflecting a similar pattern found in the previous year (1976) (Hawkins and Rowell 1985f). In other years (Hawkins and Rowell 1985a, b, c, d, and e) frequency distributions for individual stations located in the two principal fishing areas differed from those in the remainder of the survey area in that they showed more consistent spatfall settlement and (or) survival from year to year.

Examination of Figure 7, a composite frequency distribution constructed from all data, provides a means of comparing the 1977 population size structure with those of other years (Hawkins and Rowell 1985a, b, c, d, e, and f). The population size structure in 1977 shows a bimodal distribution pattern. The first mode is comprised of 1 yr old oysters which account for 61.8% of the sampled population. The second mode is comprised of 2 and 3 yr olds which together account for 24.5% of the sampled population. In the previous year (1976) (Hawkins and Rowell 1985f) 1 yr old oysters accounted for 22.4% of the sampled population, and 2 and 3 yr olds together 47.1% of the sampled population.

The wet weight of material collected at each station is given in the Appendix. Generally, the weight of live oysters and other shell comprised the major proportion, by weight, of the total sample.

SUMMARY

1. Weight of loose shell material collected at each station ranged from 0-9.7 kg. In 20.4% of all stations sampled loose shell material exceeded 2.0 kg m^{-2}.

2. Weight of live oysters and other shell comprised the major proportion of the total sample weight at each station.

3. Oyster density ranged from 0-878 individuals m^{-2} over all stations, 52.7% of the stations having low densities (≤10 oysters m^{-2}), 31.2% having intermediate densities (11-100 oysters m^{-2}), and 16.1% having high densities (>100 oysters m^{-2}).

4. Size frequency distributions for individual stations indicated that throughout the survey area spatfall settlement and survival appeared regular.

5. A size frequency distribution over all data indicated that: 1 yr old oysters accounted for 61.8% of the sampled population, 2 yr old oysters accounted for 16.4%, 3 yr old oysters represented 8.1%, and 4+ yr olds accounted for 13.8% of the sampled population.

6. The strong representation of 1 yr old oysters in the sampled population indicates that the 1976 spatfall settlement and survival were very good. The percentage representation of 2 yr olds confirms the good settlement and survival of the 1975 year class.

7. Oysters 3 yr old, representing the 1974 year class, suffered marked mortality between 1976 and 1977, as indicated by a decrease from 22.0% to 8.1% of the population. The percentage representation of 4+ yr olds confirms the very good spatfall settlement and survival of the 1973 year class.

ACKNOWLEDGEMENTS

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Table 1. Density per square meter, of 0.5 cm size classes, mean size (in centimeters), standard deviation, and fresh weight (in kilograms) of oysters collected at each station in 1977.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
A	1	78	0.5-10.5	3.08	2.67	0.62
	2	8	0.0- 8.5	2.50	3.01	0.06
	3	146	0.0-14.5	2.54	2.59	1.13
	4	224	0.5-10.0	2.75	2.35	1.38
	5	219	0.5-11.5	3.78	2.90	2.92
	6	878	0.0-12.5	2.82	2.64	5.53
	7	0				
	8	0				
	9	0				
	10	689	0.5-13.0	3.89	3.18	3.20
	11	230	0.5- 9.0	4.21	2.67	2.94
	12	0				
B	13	18	1.0- 9.0	4.56	2.74	0.20
	14	9	1.5-10.0	6.28	2.94	0.37
	15	14	1.0- 8.0	4.54	2.59	0.23
	16	5	1.0- 6.0	3.00	1.77	0.04
	17	17	1.0- 9.5	3.94	2.47	0.19
	18	373	0.5-12.0	2.97	2.64	2.34
	19	311	0.5-10.5	2.61	2.36	1.94
	20	43	1.5-11.0	6.05	2.03	0.20
	21	18	0.0- 9.0	6.22	1.64	0.38
	22	73	0.0-12.0	7.58	2.66	1.85
	23	0				
	24	0				
	25	0				
	26	62	2.5-14.5	6.55	2.18	1.81
	27	0				
C	28	19	3.0- 9.5	5.79	2.09	0.49
	29	34	2.5- 9.0	5.91	1.88	0.86
	30	326	0.5- 9.0	2.97	1.87	1.42
	31	0				
	32	0				
	33	26	3.0-10.0	7.04	1.65	0.95
	34	129	2.5-11.0	6.01	2.40	2.38
	35	277	0.0- 9.5	2.11	1.51	0.56
	36	24	0.5- 9.5	3.58	2.40	0.22
	37	36	2.5-12.0	7.03	2.91	1.16
	38	3	2.0- 3.5	2.83	0.58	0.31
	39	0				
	40	0				

...Cont'd.

Table 1. Cont'd.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
D	41	91	0.5-11.5	3.81	2.84	1.26
	42	0				
	43	0				
	44	0				
	45	0				
	46	0				
	47	0				
	48	0				
	49	25	1.0-12.5	3.62	3.05	0.34
	50	149	0.5-10.5	3.22	2.27	1.21
	51	334	0.5-11.5	2.93	2.13	2.04
	52	169	0.0-12.0	2.95	2.08	1.02
	53	116	0.0-10.0	2.80	1.73	0.40
	54	56	0.5-11.0	3.69	2.75	0.67
	55	7	1.0- 8.0	2.79	1.32	0.02
	56	10	2.0- 8.0	3.75	1.70	0.07
	57	52	0.5-16.5	4.38	3.75	0.84
	58	5	2.0-11.0	4.70	3.58	0.06
E	59	18	0.5-12.5	3.97	3.26	0.27
	60	296	0.5-10.5	3.60	2.51	1.18
	61	47	0.5-11.5	4.02	2.78	0.83
	62	0				
	63	0				
	64	0				
	65	174	0.0-10.0	2.86	1.83	1.07
	66	0				
	67	0				
	68	0				
	69	24	0.5- 8.5	2.38	1.59	0.10
	70	84	0.5-12.5	3.51	2.72	0.93
	71	0				
	72	95	0.5- 9.5	3.04	1.97	0.54
	73	5	1.5-10.0	5.10	3.27	0.17
	74	0				
	75	0				
F	76	59	0.5-11.0	3.12	2.30	0.42
	77	72	0.5-11.0	4.52	2.92	1.84
	78	0				
	79	0				
	80	0				
	81	0				
	82	138	0.0-10.5	3.33	2.35	1.08
	83	56	1.0- 9.5	3.27	1.93	0.35

...Cont'd.

Table 1. Cont'd.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
	84	115	0.0-11.0	2.80	2.15	0.80
	85	38	1.0- 3.5	2.67	0.66	0.09
	86	9	1.5-10.5	3.94	2.59	0.15
	87	133	0.0-13.0	3.04	2.20	0.85
G	88	0				
	89	0				
	90	0				
	91	228	0.5-10.0	2.92	1.88	0.98
	92	0				
	93	0				
	94	0				
	95	155	0.5-12.0	4.03	2.71	1.87
	96	131	0.5-12.0	3.39	2.42	N/A
	97	5	2.0- 8.5	5.00	2.29	0.07
	98	15	1.5- 8.5	3.63	1.67	0.13
	99	8	2.5- 9.0	5.44	2.72	0.19
H	100	32	1.0-10.5	3.64	2.14	2.99
	101	14	0.5-11.0	4.29	2.88	0.25
	102	0				
	103	56	1.0-12.5	3.86	2.14	0.51
	104	51	1.0- 8.5	3.33	1.79	0.32
	105	21	1.5- 9.0	4.57	2.73	0.35
	106	0				
	107	0				
	108	0				
	109	320	0.5- 9.5	3.60	2.20	2.70
I	110	0				
	111	1	8.5- 9.0	9.00		0.05
	112	1	3.5- 4.0	4.00		0.01
	113	162	0.5- 8.5	3.00	1.24	0.43
	114	0				
	115	0				
	116	0				
	117	2	3.5- 8.0	6.00	2.83	0.06
	118	1	7.5- 8.0	8.00		0.06
	119	12	1.0-13.0	4.29	3.75	0.18
	120	17	1.0-11.5	4.50	2.91	0.28
	121	6	2.0- 4.5	3.58	0.80	N/A
	122	13	2.0- 9.5	3.73	1.80	0.11

...Cont'd.

Table 1. Cont'd.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
J	123	35	0.5- 9.5	4.13	2.77	0.61
	124	84	1.0- 8.5	5.08	2.36	2.07
	125	57	1.0- 9.0	4.34	2.49	0.90
	126	44	0.5-11.0	5.18	3.10	1.37
	127	28	0.5- 8.0	3.95	2.18	0.41
	128	11	1.0- 4.0	3.00	0.87	N/A
	129	0				
	130	0				
	131	0				
	132	0				
	133	22	0.5- 8.0	3.75	2.35	0.26
	134	116	0.5- 9.5	3.77	2.61	2.17
	135	0				
	136	19	1.0-10.0	5.13	3.16	0.42
	137	4	1.0- 8.5	5.13	3.64	0.08
	138	26	0.5-10.0	3.54	3.08	0.30
	139	89	0.5-12.0	3.81	2.91	1.05
	140	43	1.0-11.0	3.86	2.50	0.56
K	141	36	0.5-10.5	3.60	2.81	0.55
	142	45	0.5-10.0	3.81	2.55	0.77
	143	0				
	144	1	12.5-13.0	13.00		0.22
	155	0				
	146	0				
	147	0				
	148	0				
	149	0				
	150	0				
L	151	6	1.5- 9.5	6.08	3.43	0.26
	152	0				
	153	0				
	154	0				
	155	0				
	156	0				
	157	0				
	158	0				
M	159	0				
	160	141	0.5-15.0	4.69	3.37	2.15
	161	0				
	162	0				
	163	1	8.5- 9.0	9.00		0.09

...Cont'd.

Table 1. Cont'd.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
	164	90	0.0-10.0	2.79	1.76	0.46
	165	9	2.0- 9.5	5.17	2.65	0.24
	166	0				
N	167	0				
	168	8	0.5- 6.0	2.88	1.62	0.02
	169	67	0.0- 9.5	3.41	1.69	0.36
	170	240	0.5-11.5	3.18	1.83	1.29
	171	111	0.5-10.0	3.14	1.89	0.49
	172	0				
	173	0				
	174	86	1.0-13.5	4.08	2.56	0.81
	175	0				
O	176	0				
	177	78	1.0- 9.5	3.87	1.69	0.56
	178	24	0.5- 9.0	3.26	1.53	0.09
	179	0				
	180	0				
	181	0				
	182	32	2.0-10.0	4.28	2.22	0.97
	183	25	0.5-10.0	4.76	3.17	0.55
	184	14	1.5-11.0	4.71	2.97	0.42
P	185	0				
	186	0				

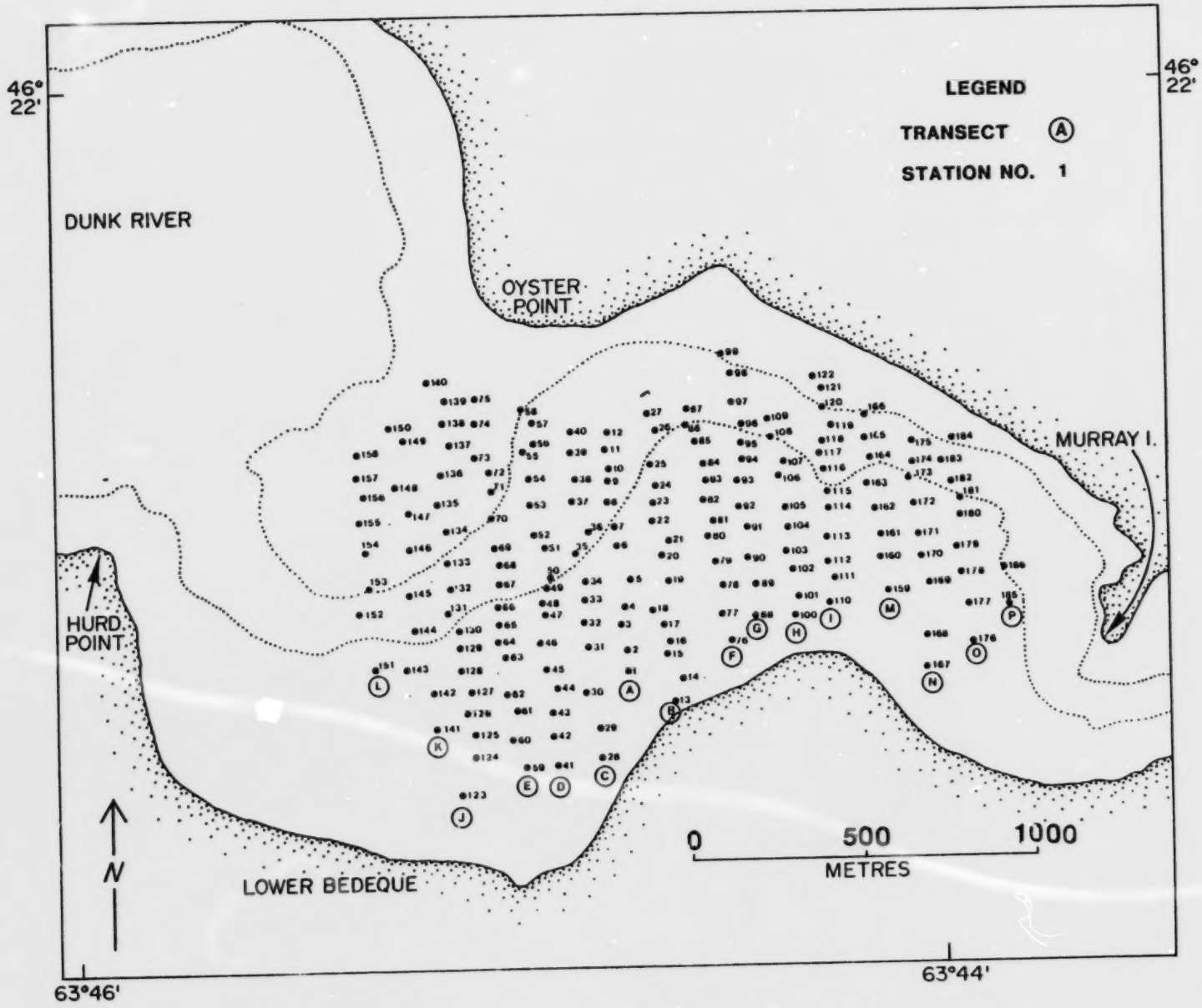


Figure 1. Positions of transects and their respective sampling stations in the Dunk River Estuary, 1977.

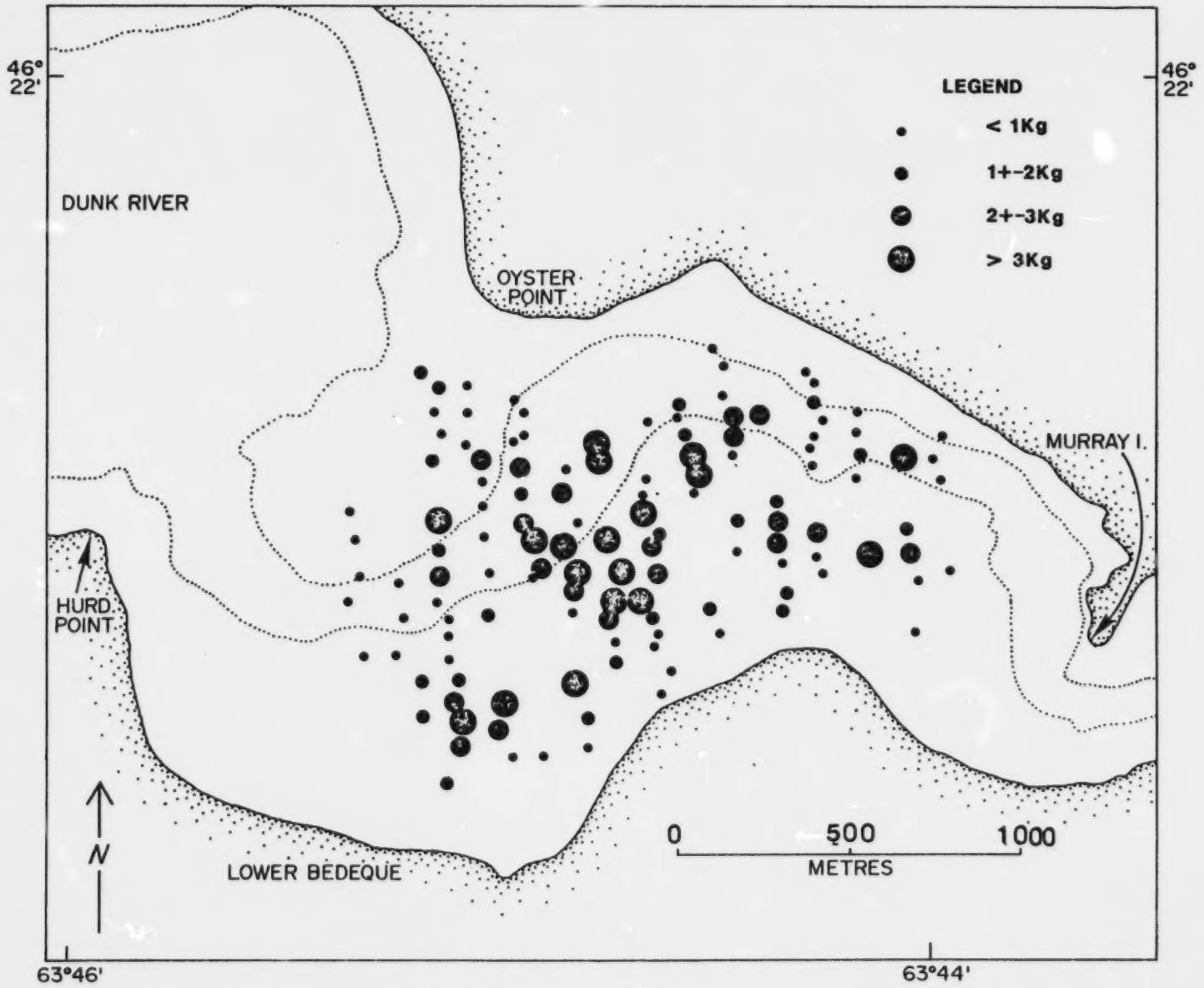


Figure 2. Weight of shell (excluding oyster shell) collected at each station in 1977.

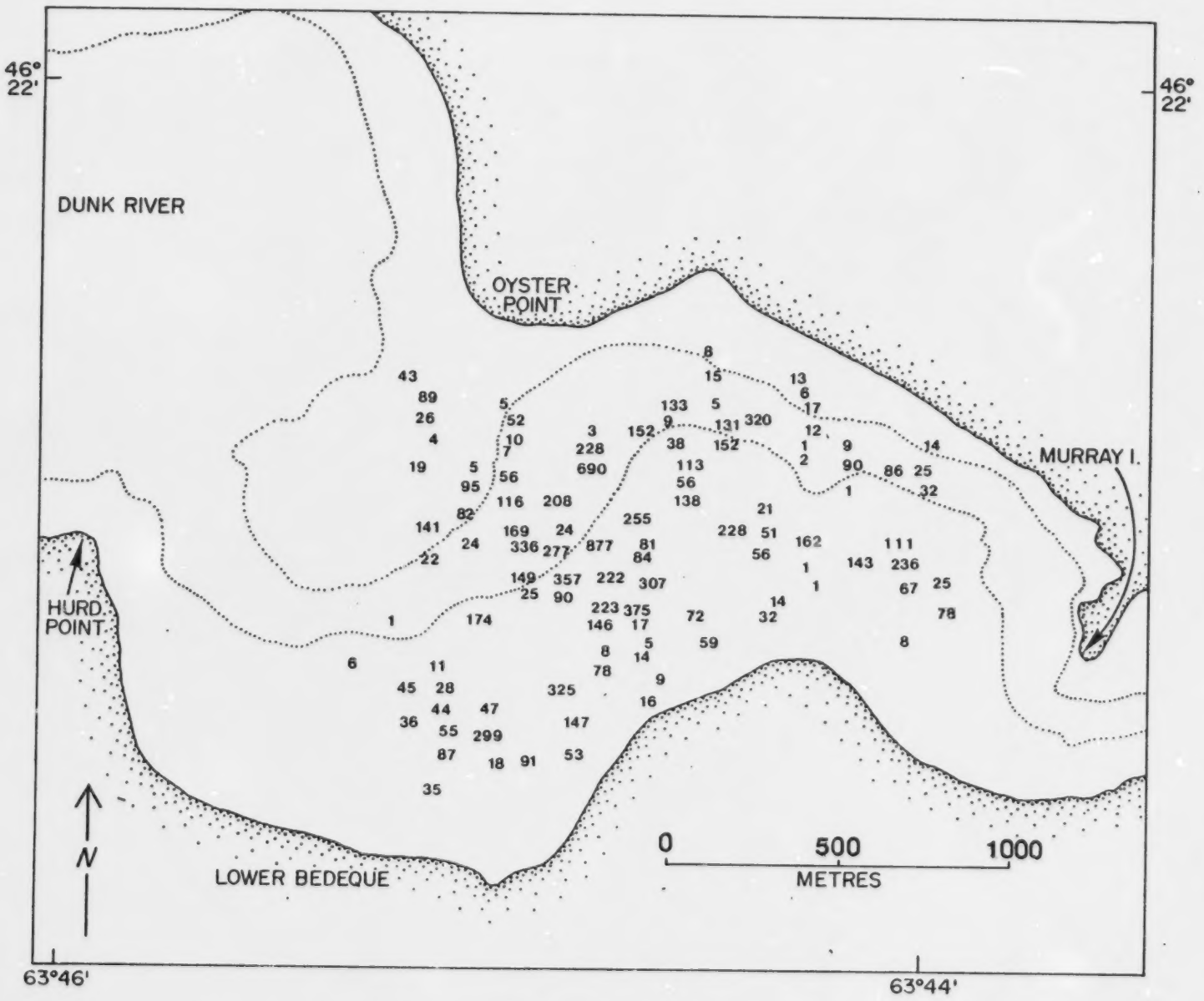


Figure 3. Number of oysters per square metre.

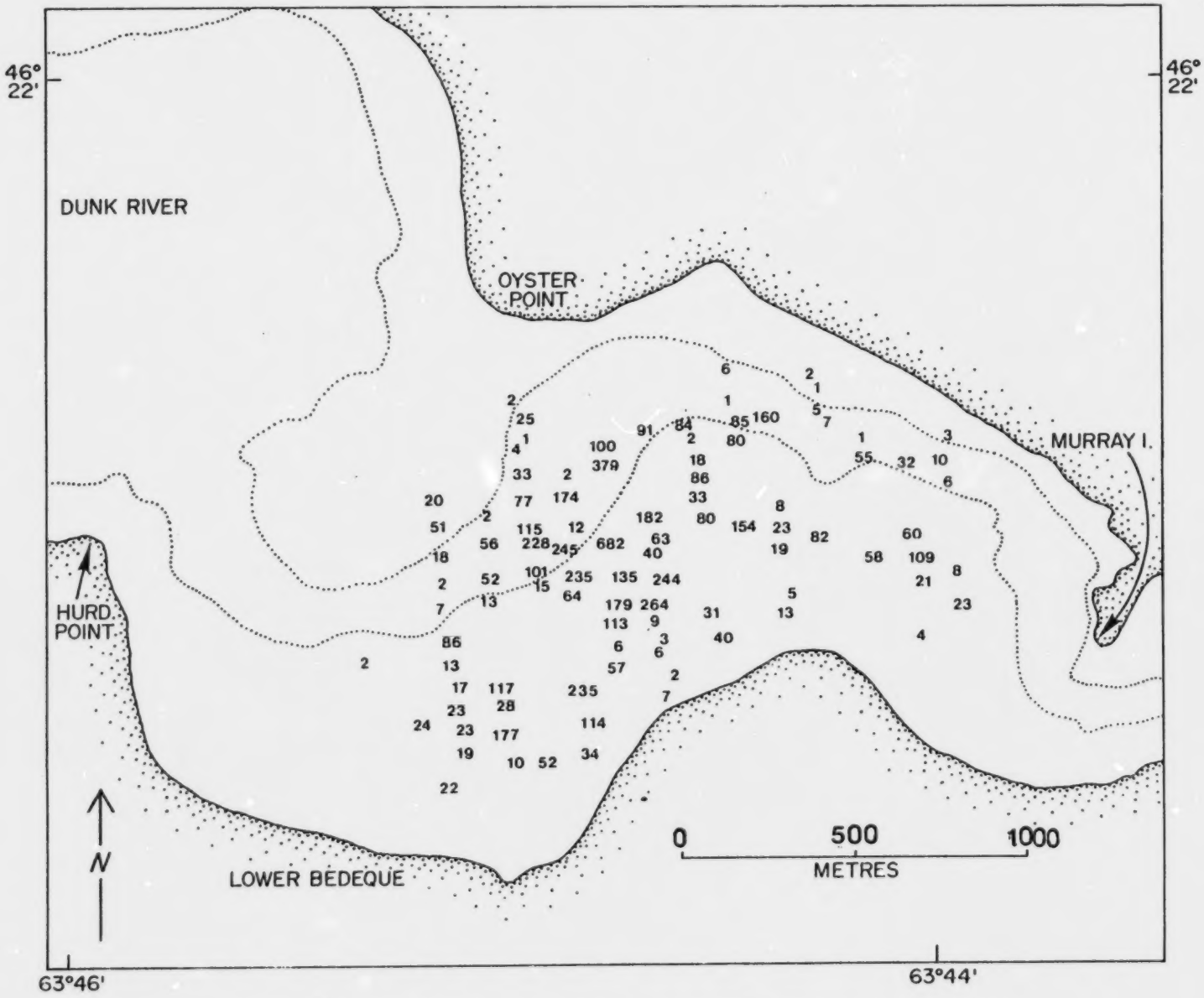


Figure 4a. Density m^{-2} of 1 yr old oysters (<2.5 cm) collected at each station.

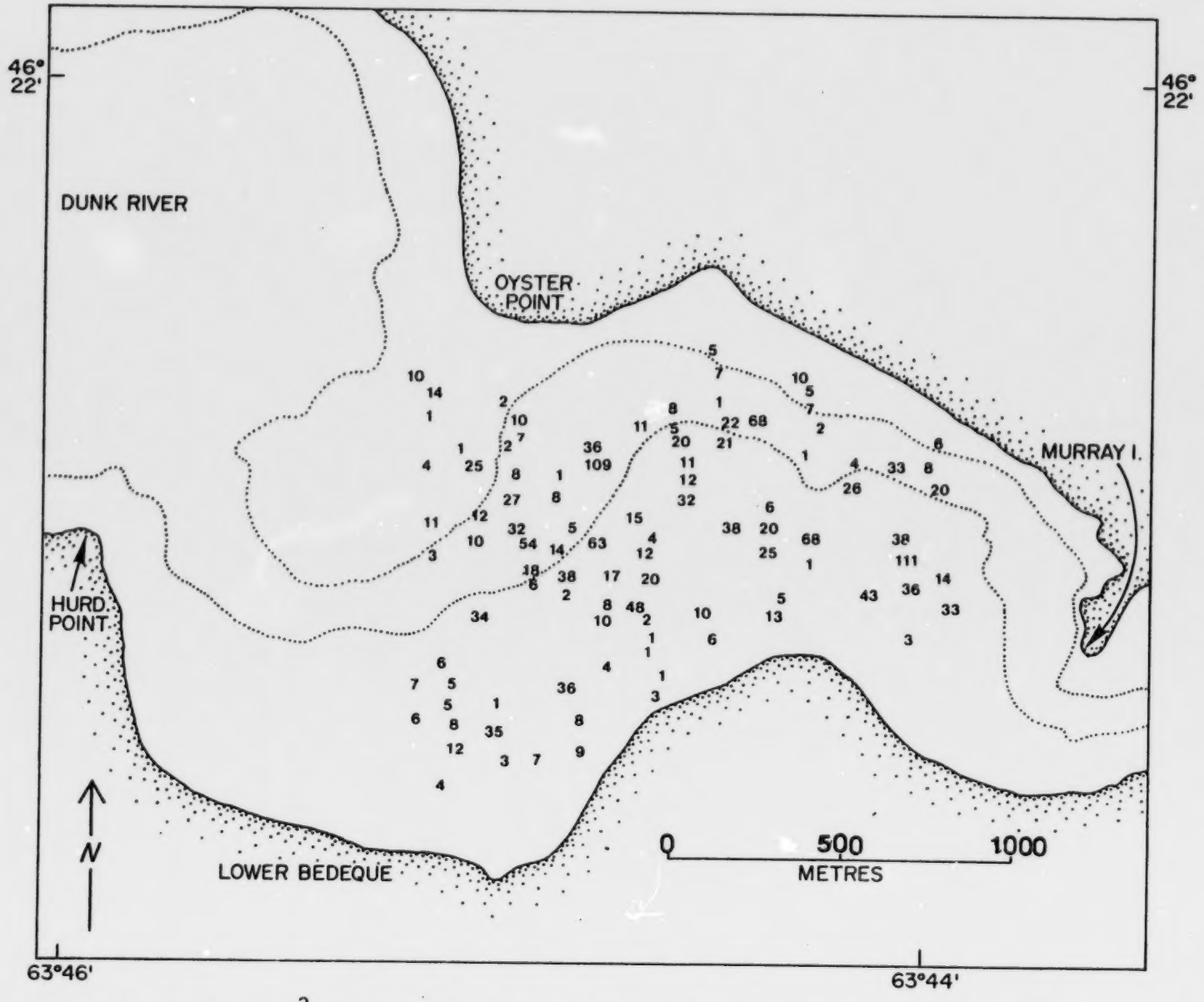


Figure 4b. Density m^{-2} of 2 yr old oysters (2.6 to 4.5 cm) collected at each station.

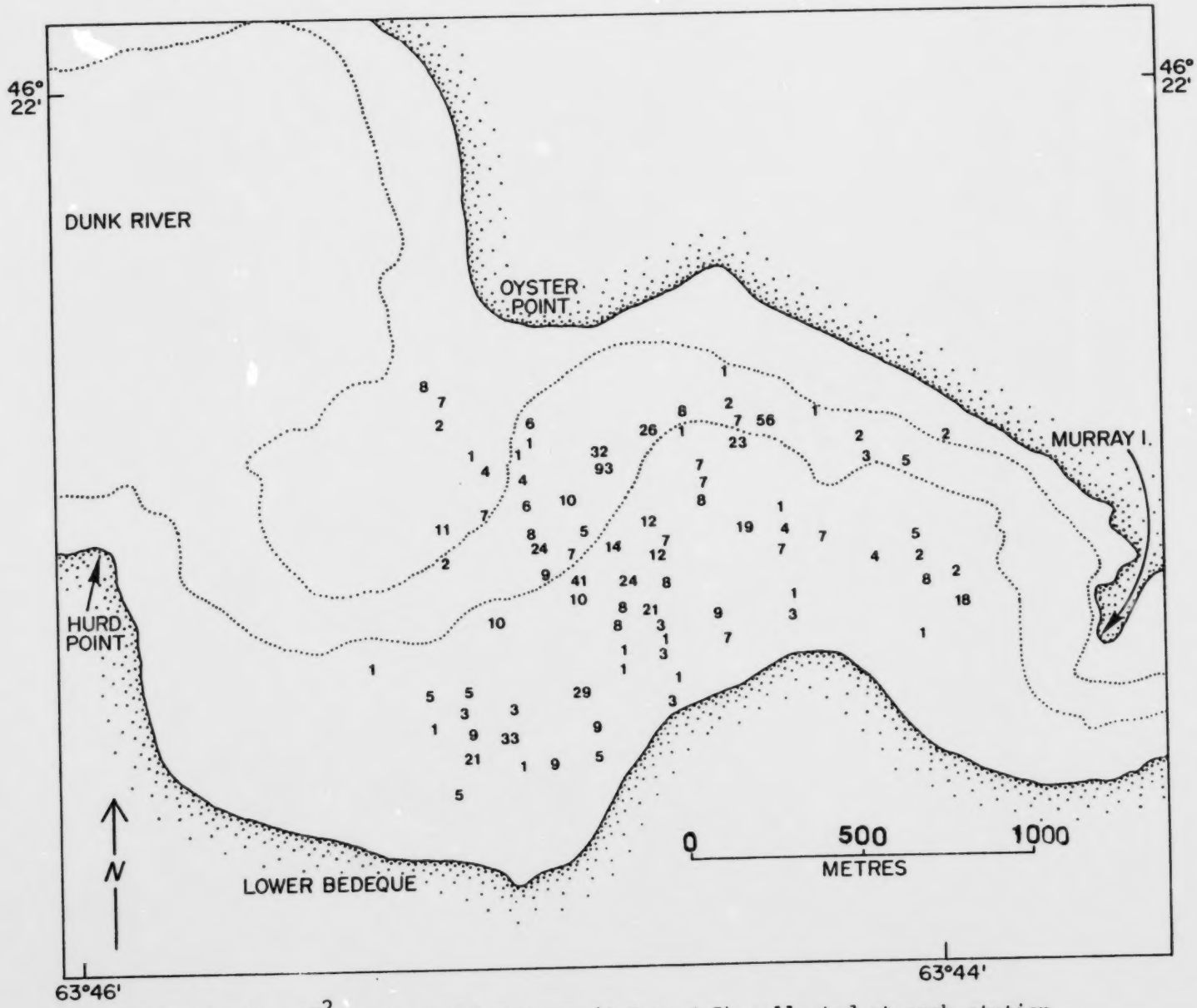


Figure 4c. Density m^{-2} of 3 yr old oysters (4.6 to 6.5) collected at each station.

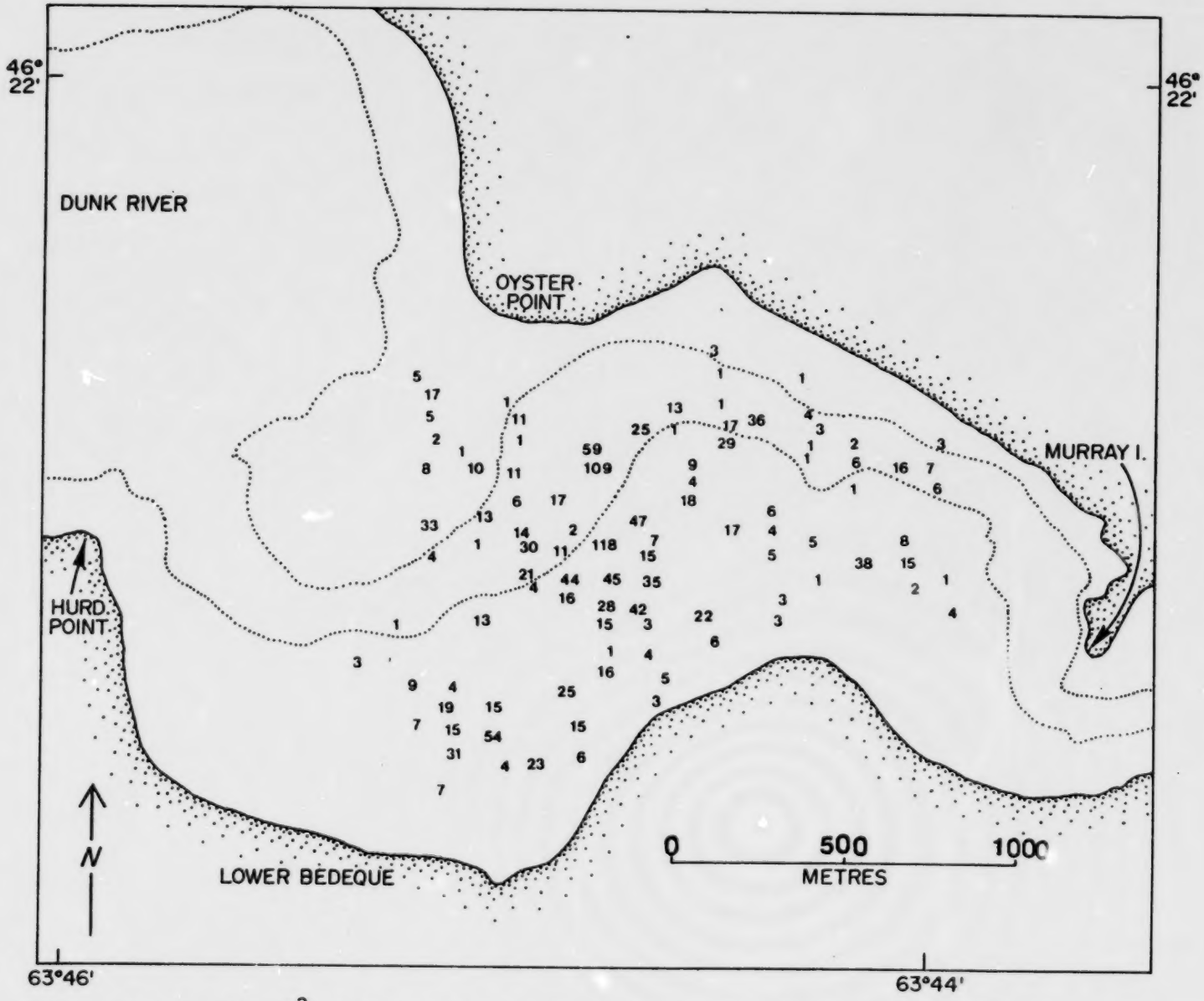


Figure 4d. Density m^{-2} of 4+ yr old oysters (>6.5 cm) collected at each station.

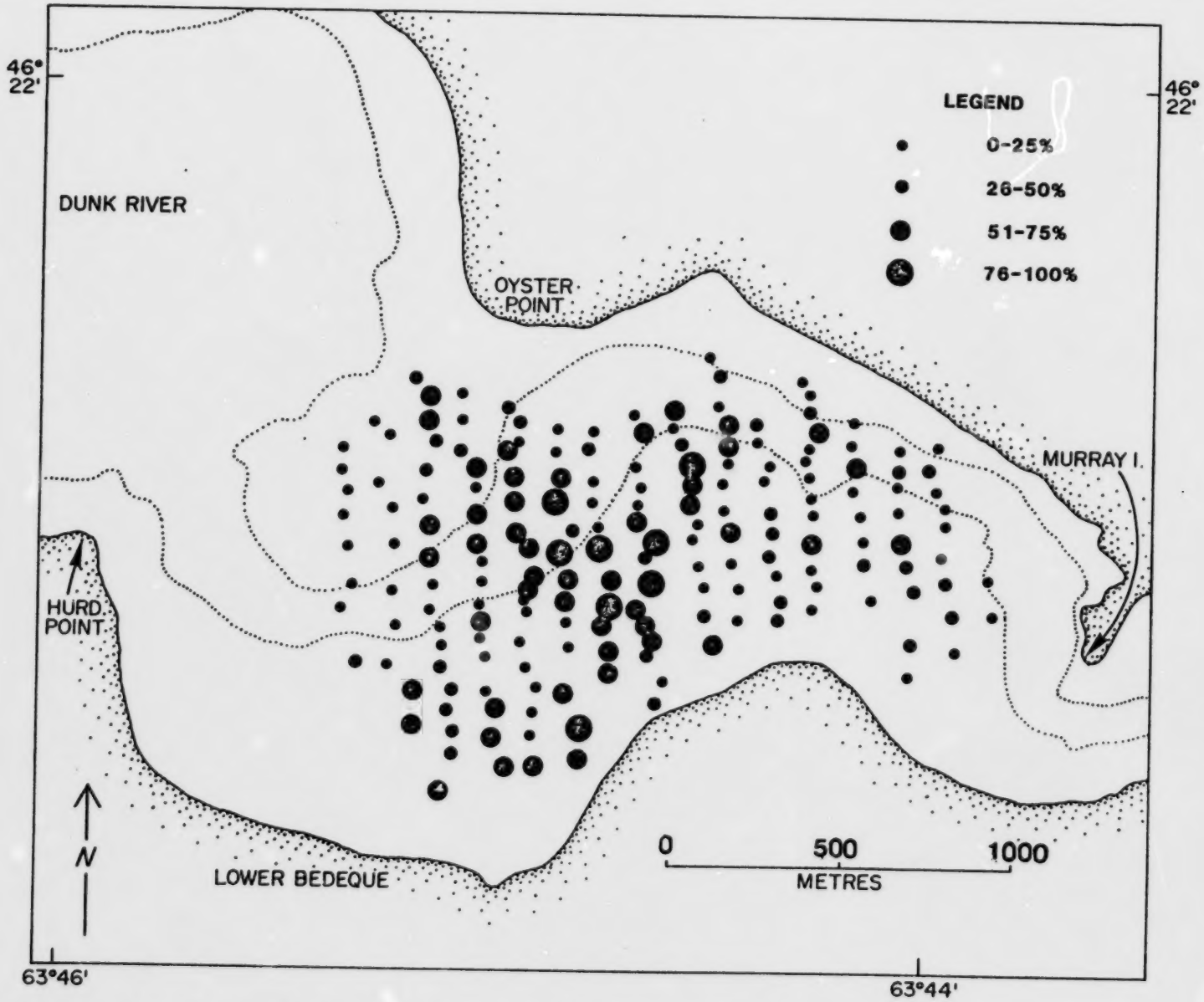


Figure 5a. Percentate of 1 yr old oysters (<2.5 cm) collected at each station.

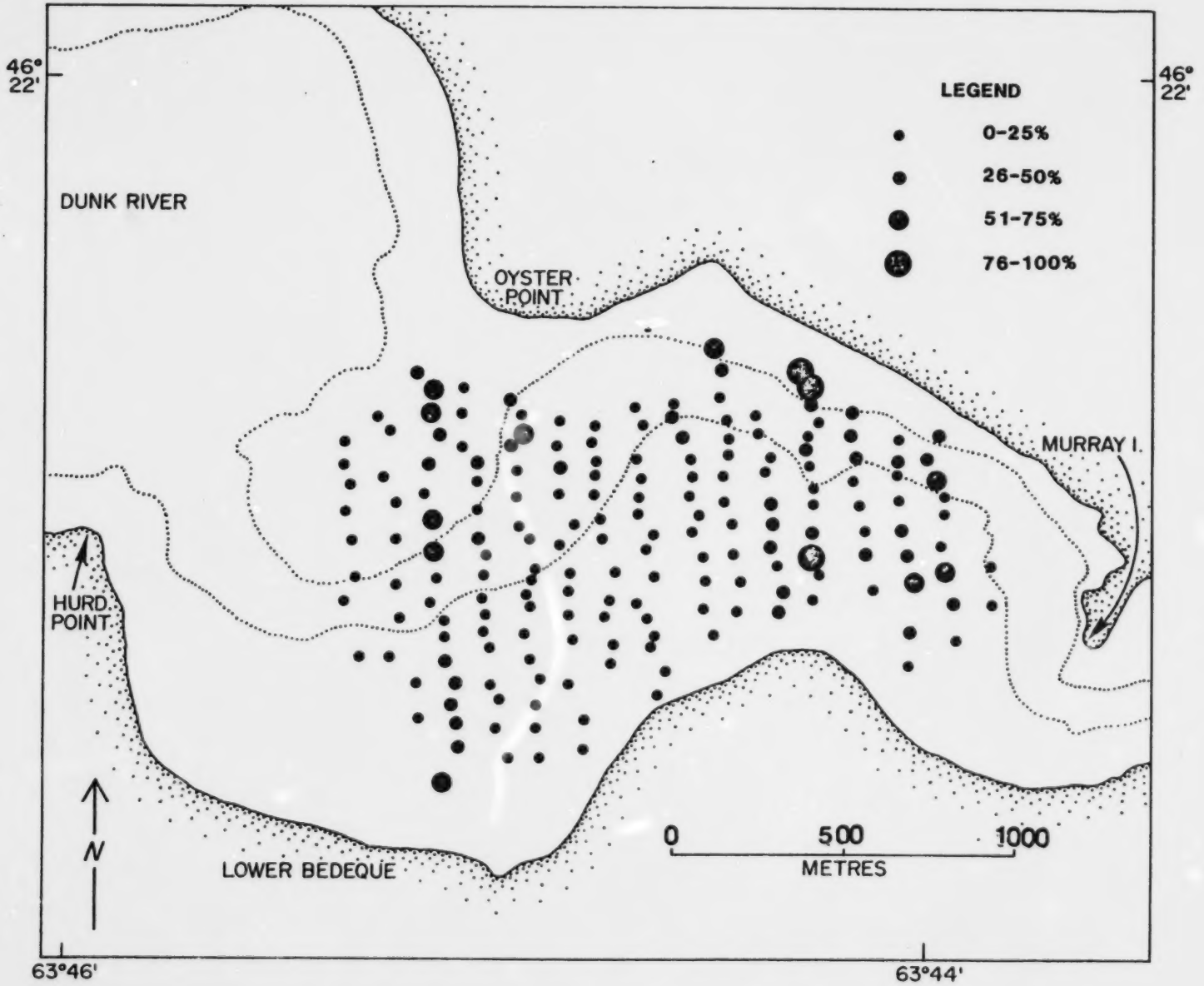


Figure 5b. Percentage of 2 yr old oysters (2.6 to 4.5 cm) collected at each station.

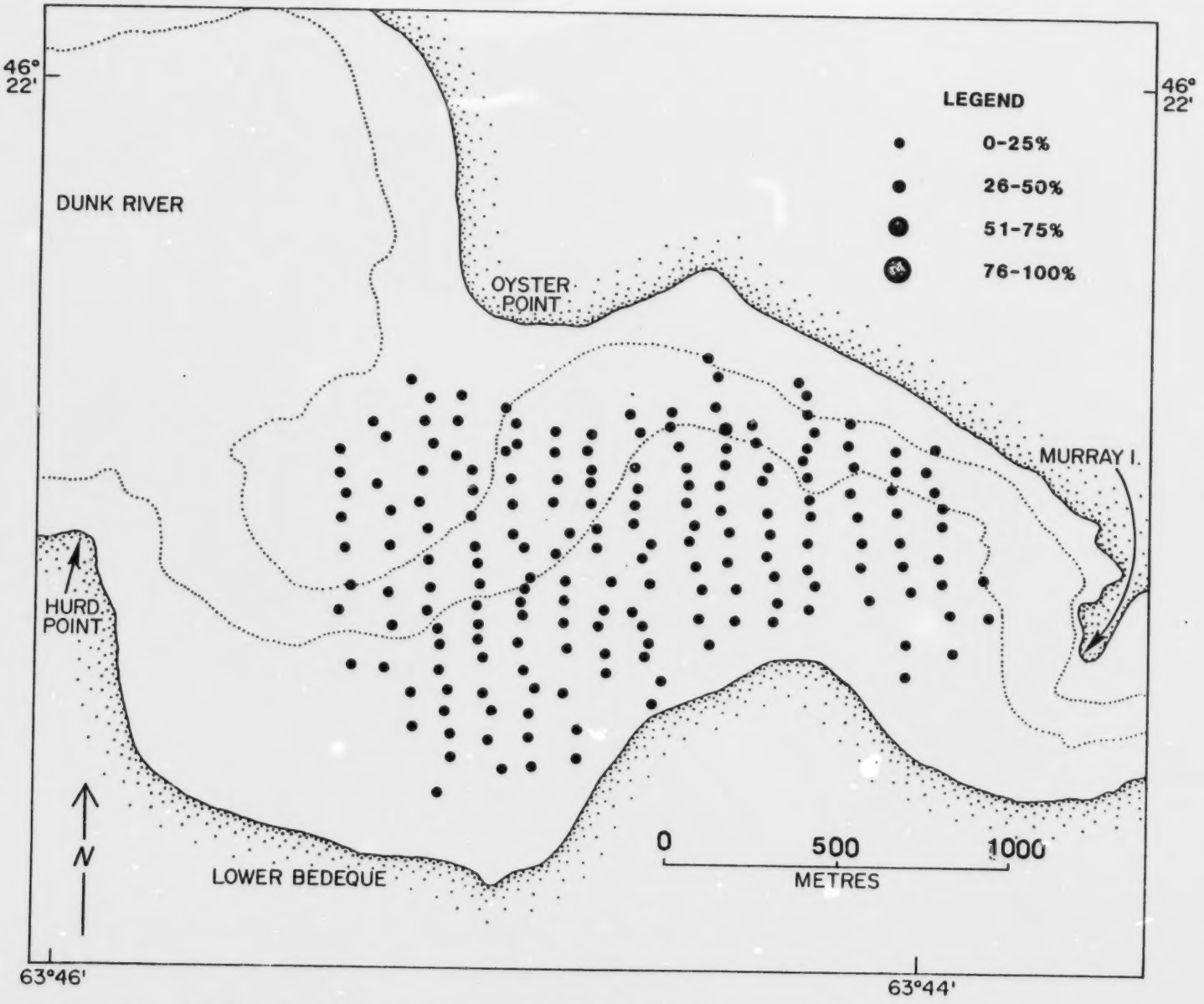


Figure 5c. Percentage of 3 yr old oysters (4.6 to 6.5 cm) collected at each station.

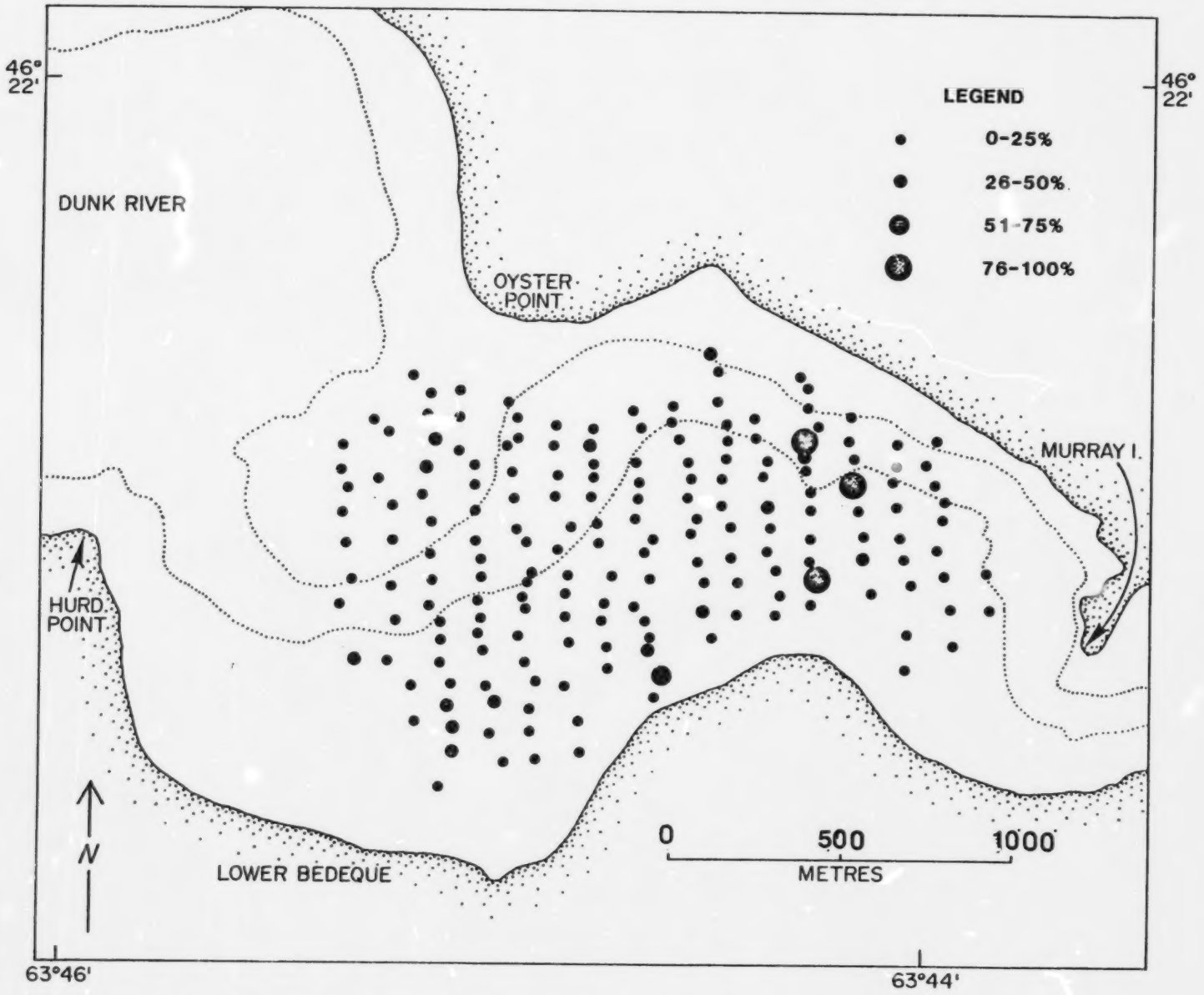


Figure 5d. Percentage of 4+ yr old oysters (>6.5 cm) collected at each station.

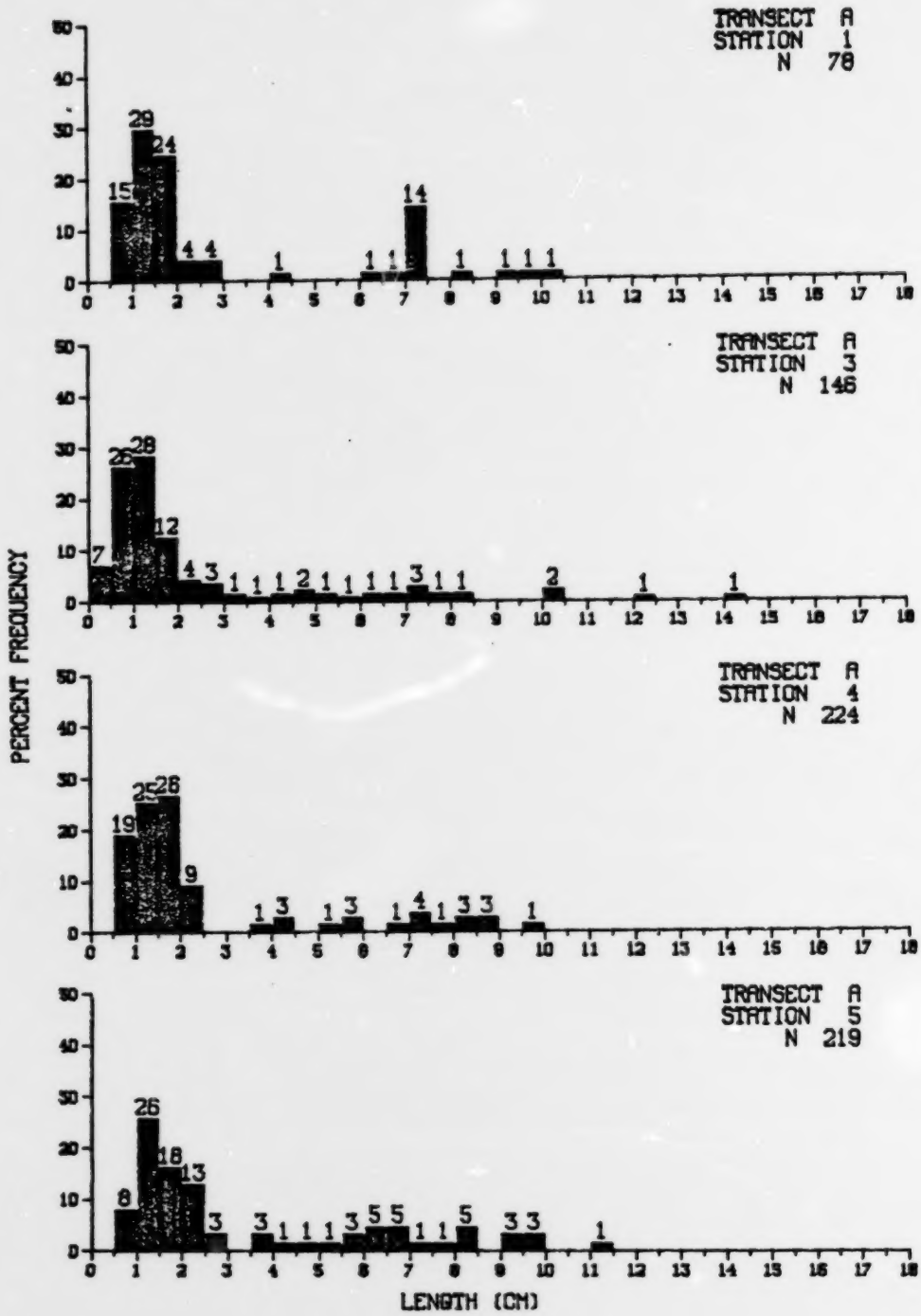
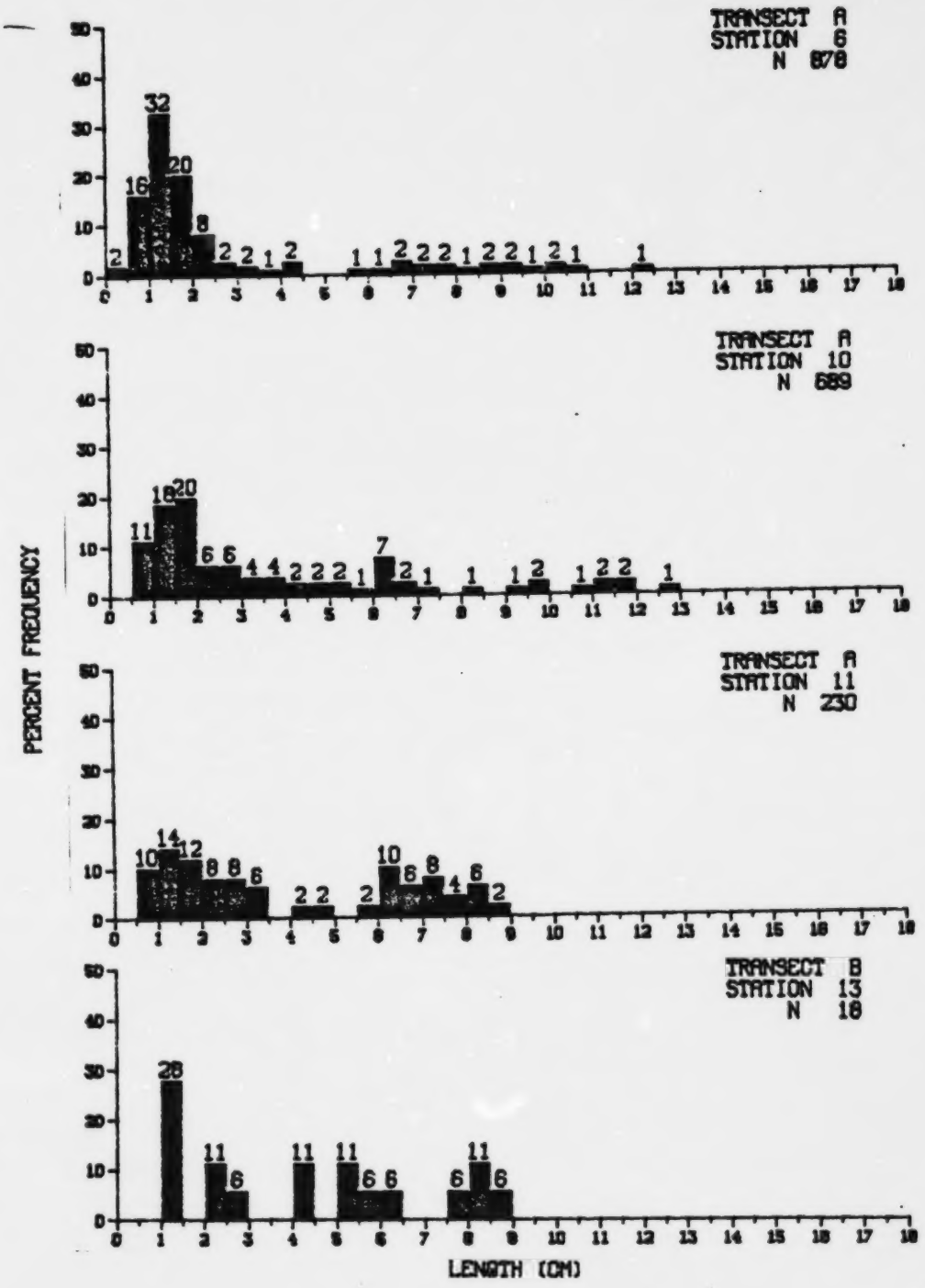


Figure 6. Size frequency distribution of oysters collected at each station in 1977: 1 yr olds <2.5 cm in length, 2 yr olds 2.6-4.5 cm, 3 yr olds 4.6-6.5 cm and 4,+ yr olds >6.5 cm.



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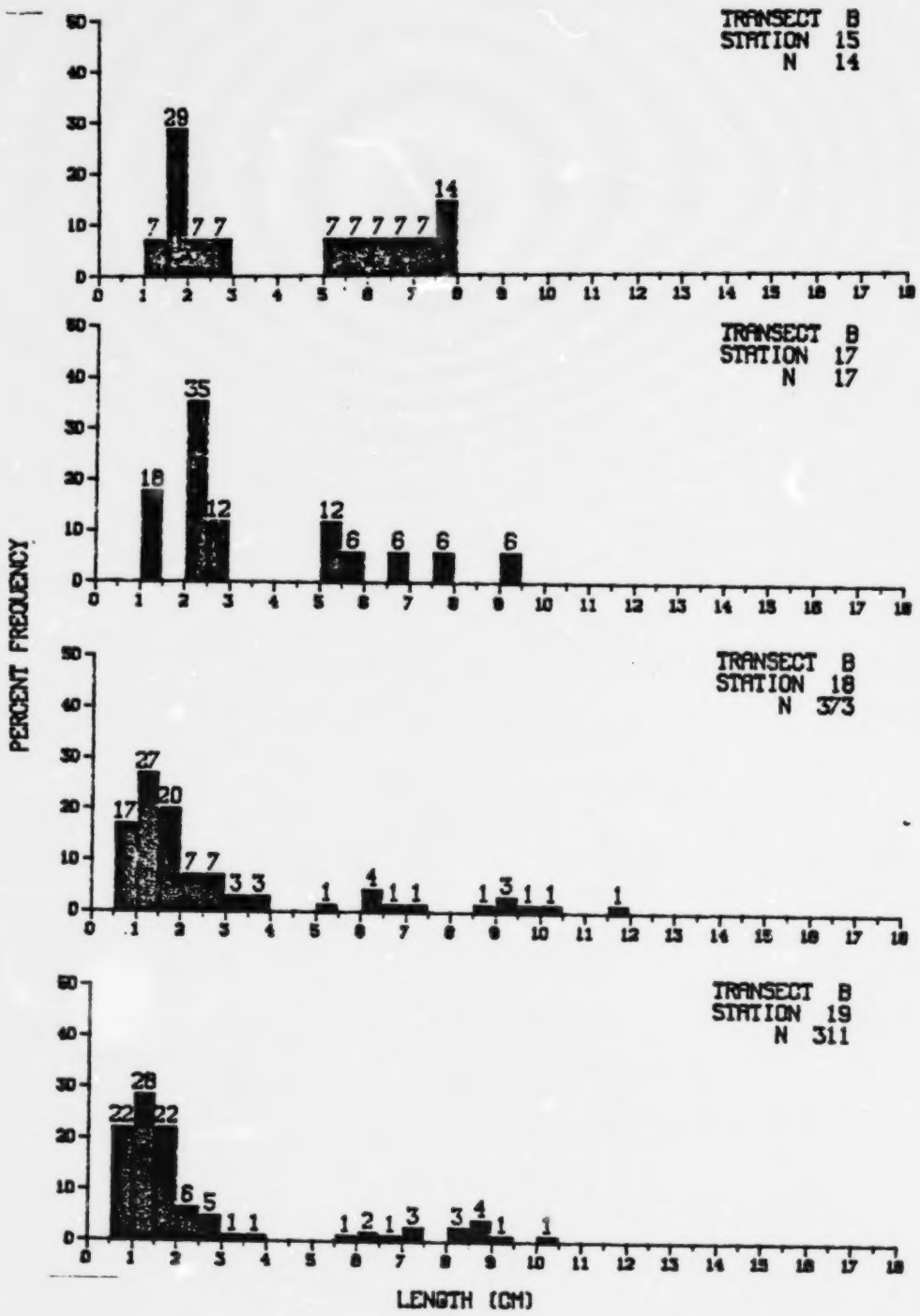

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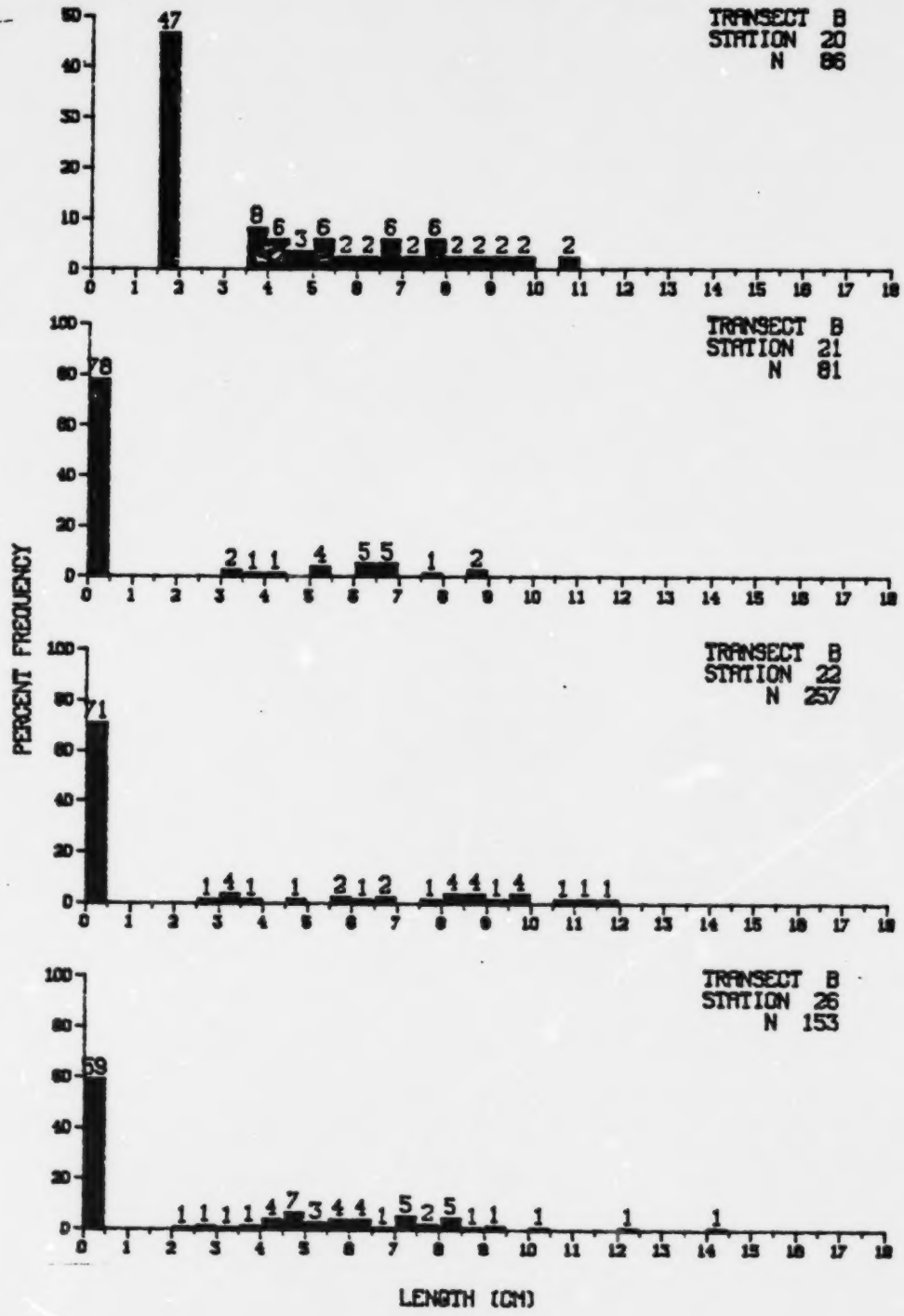

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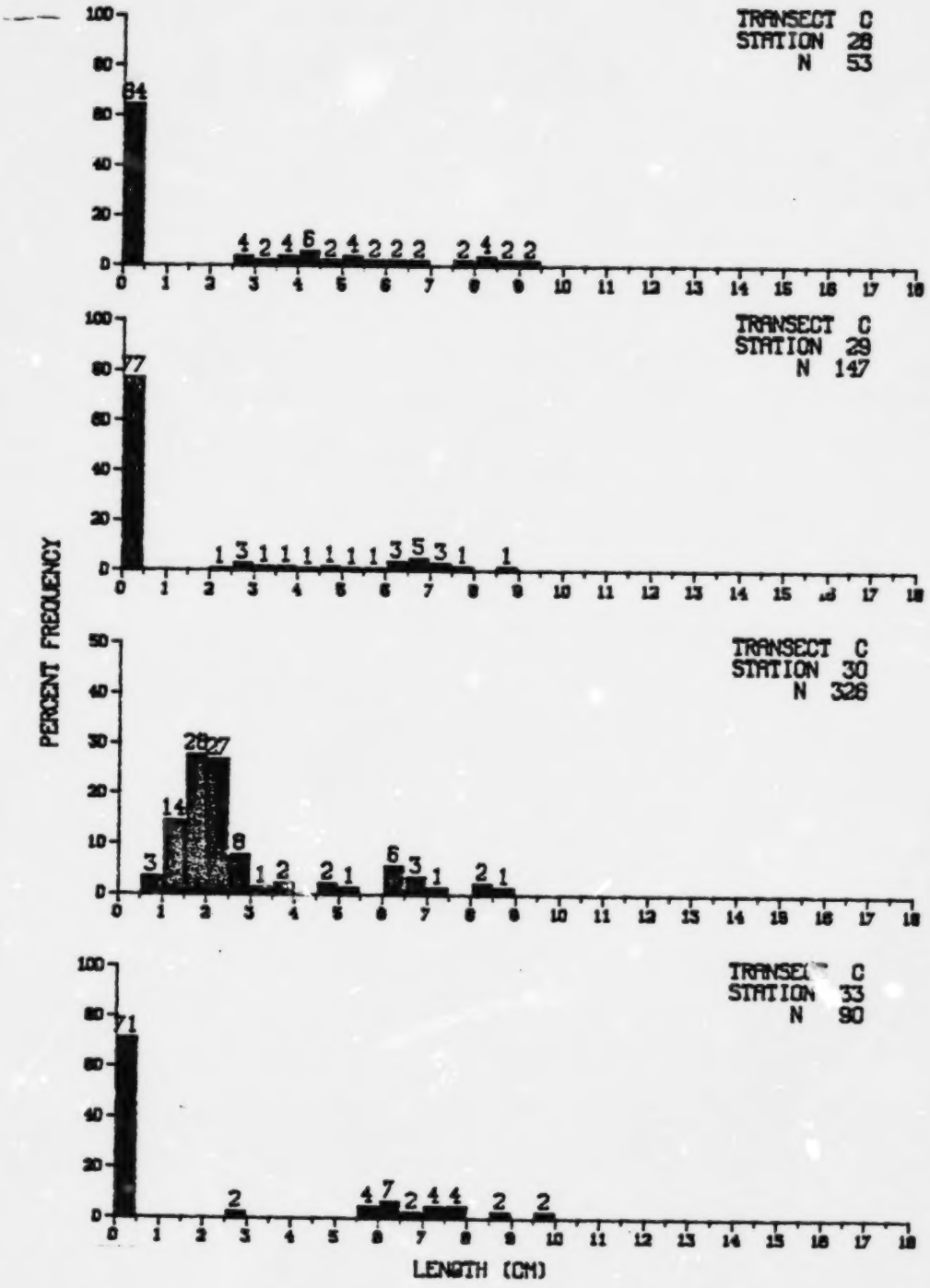

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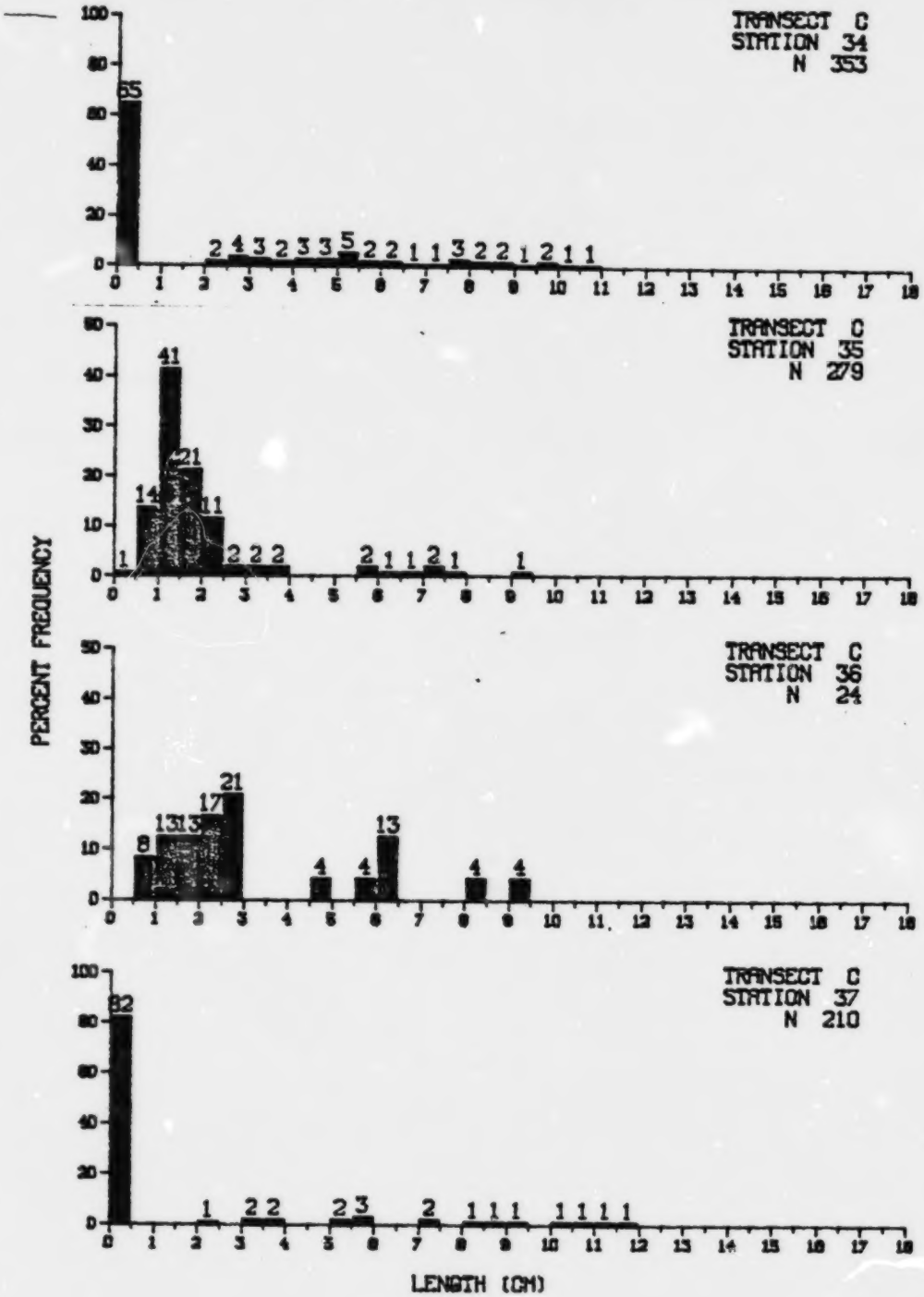

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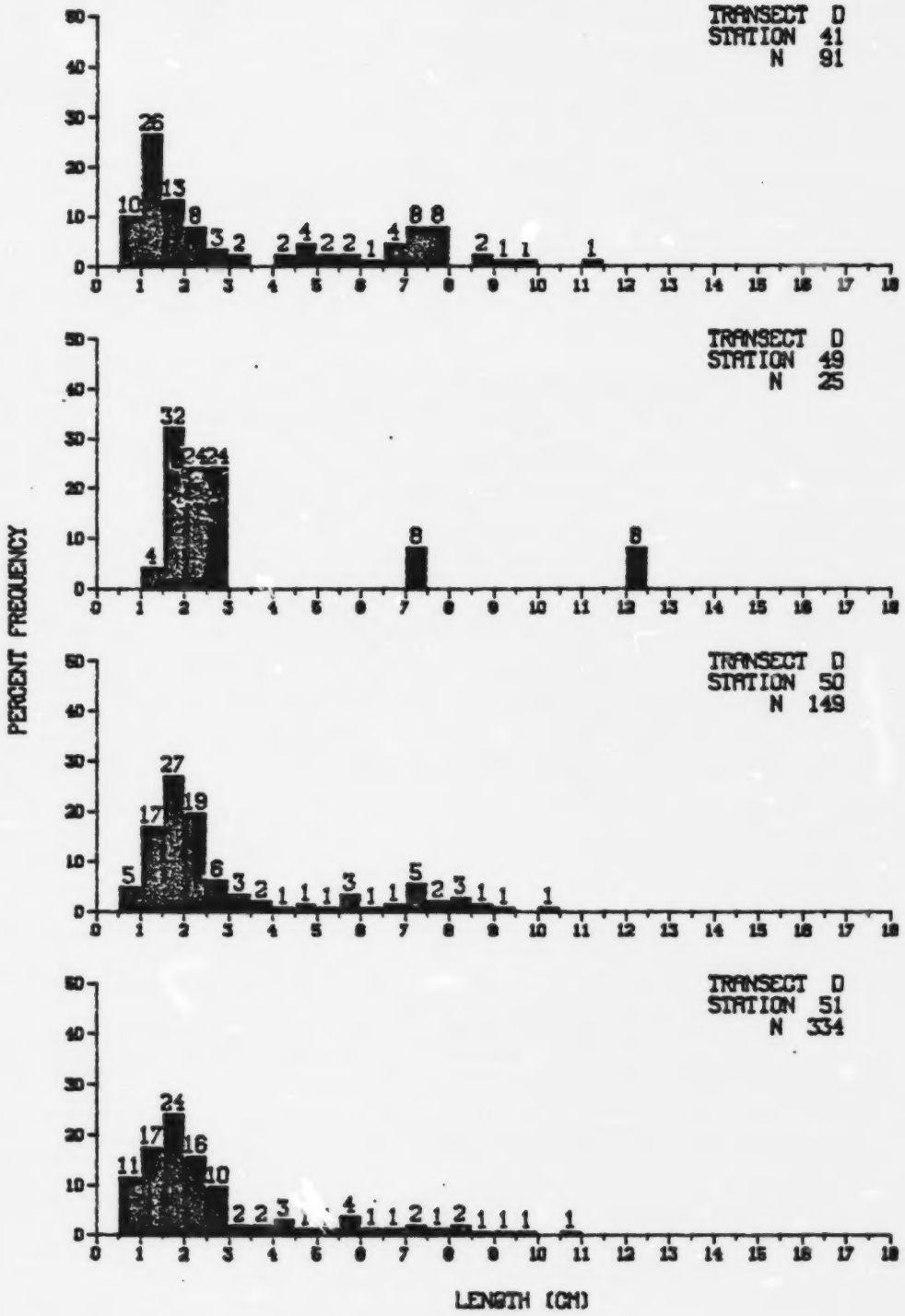

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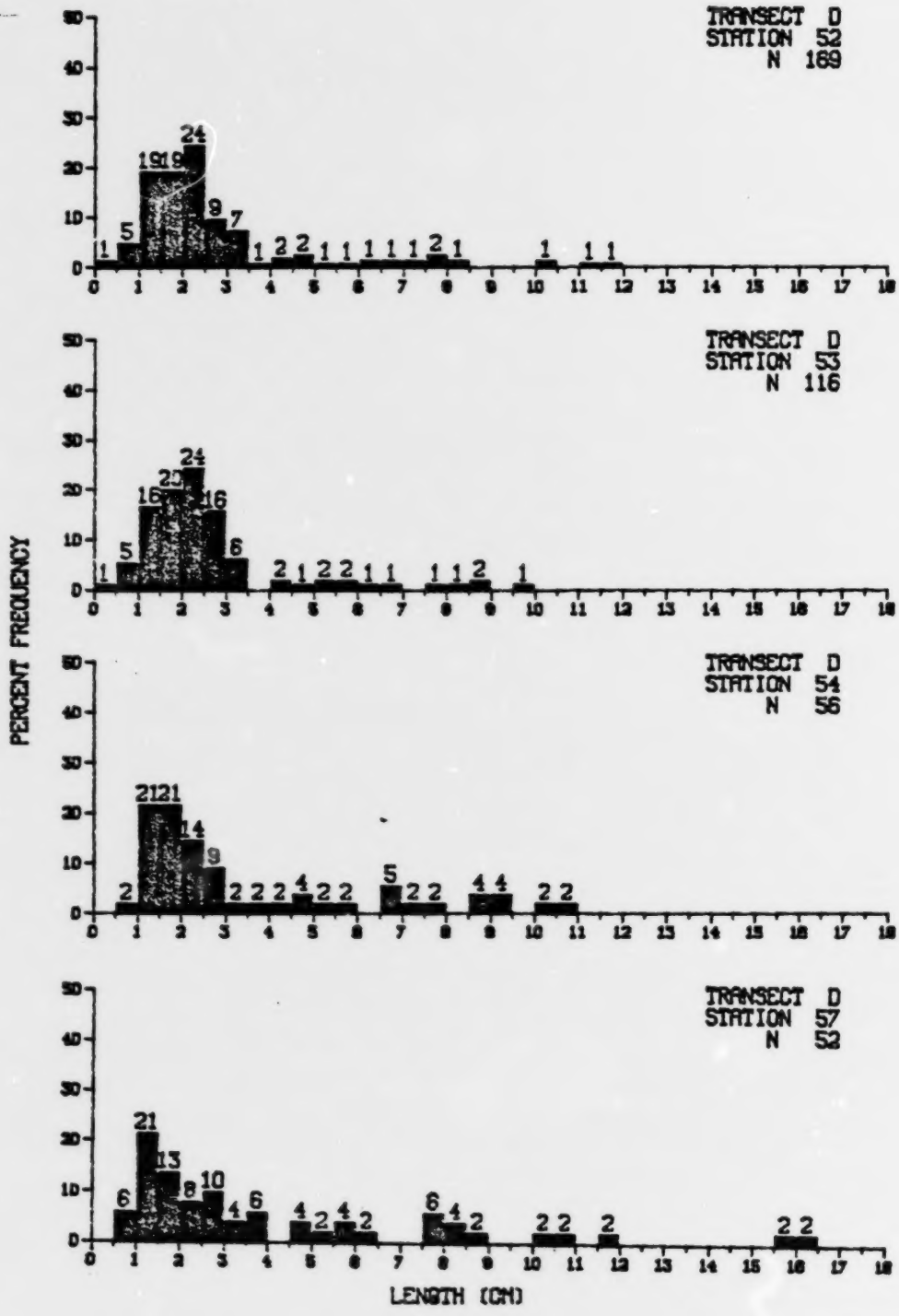

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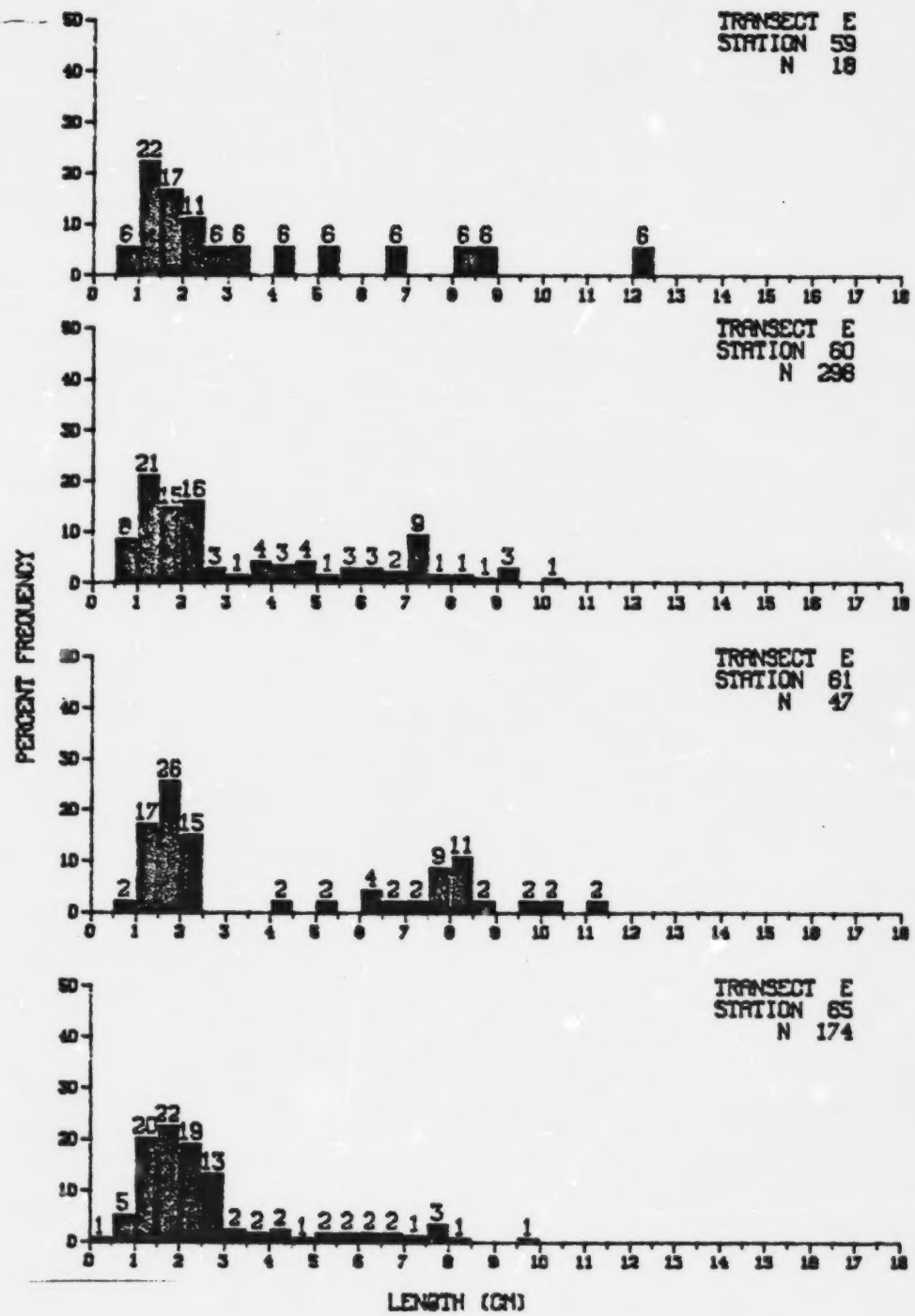

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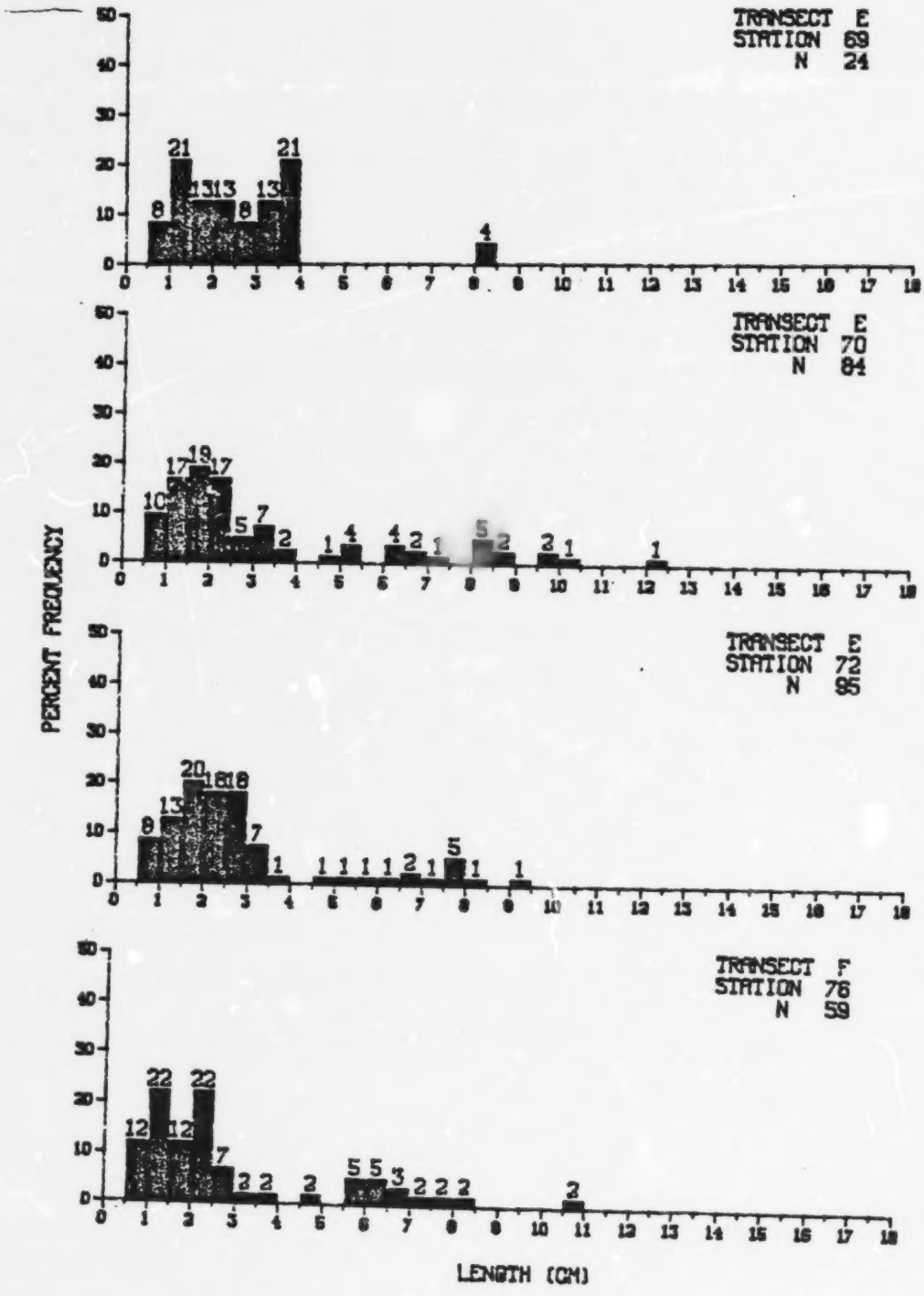

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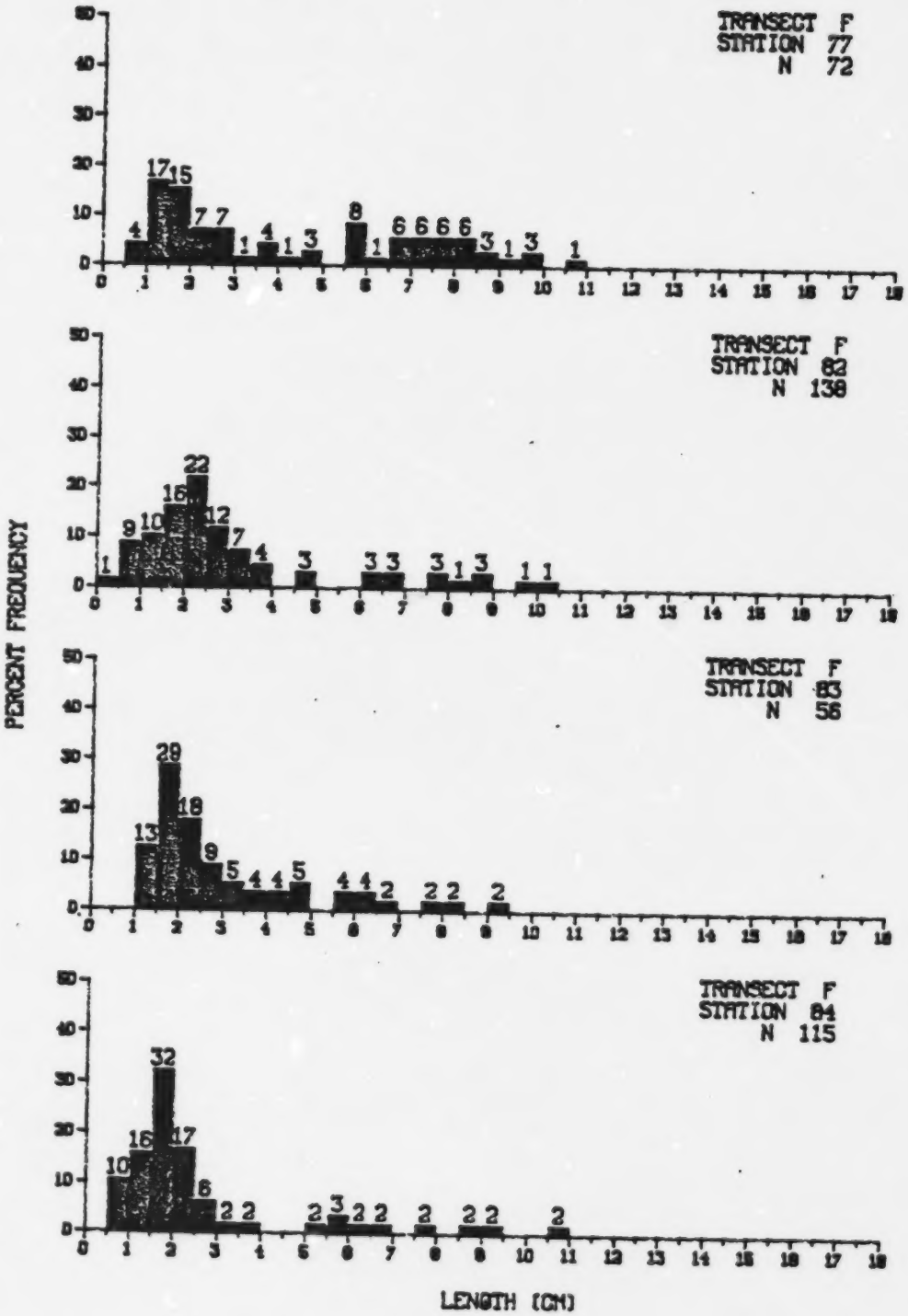

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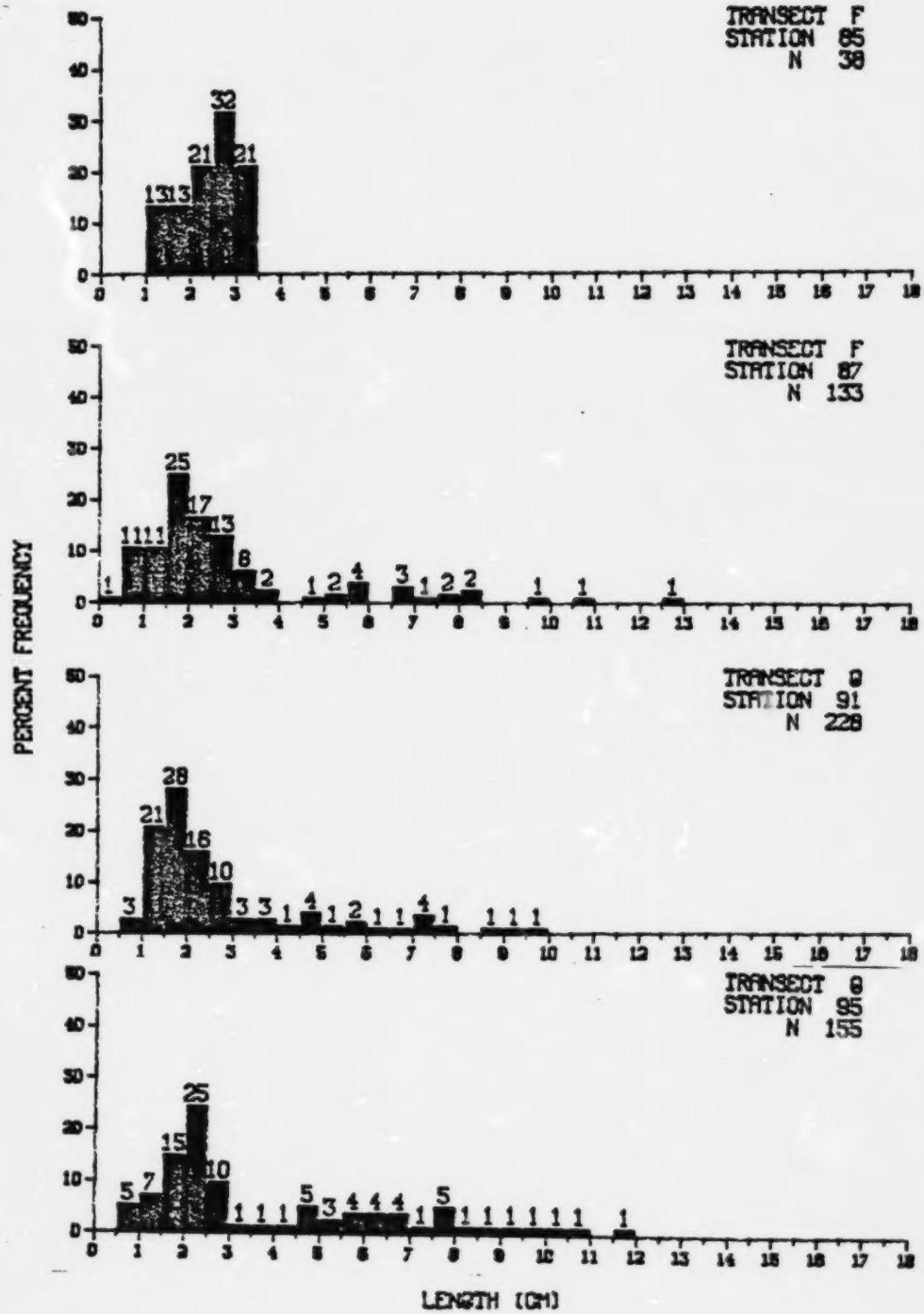

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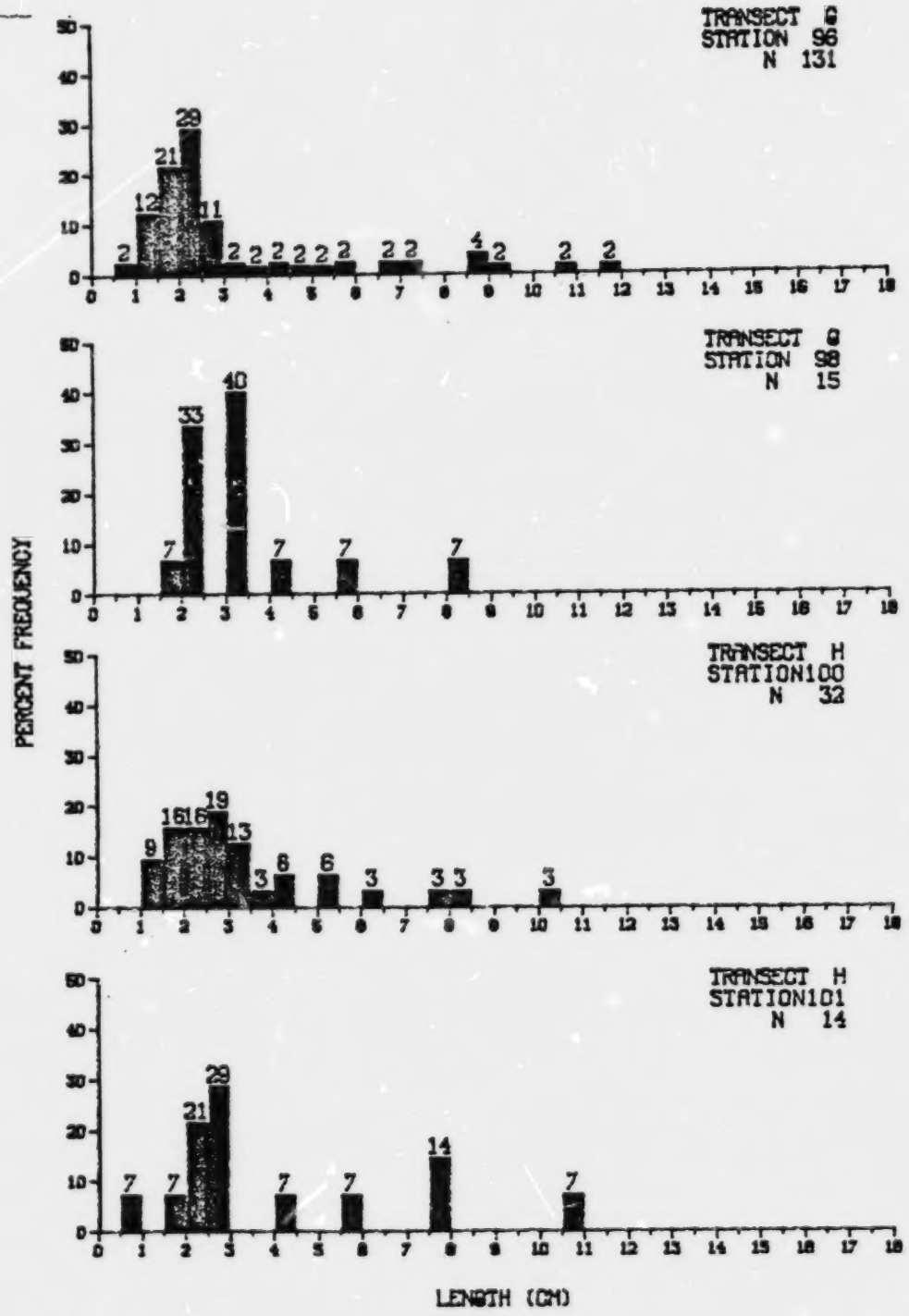

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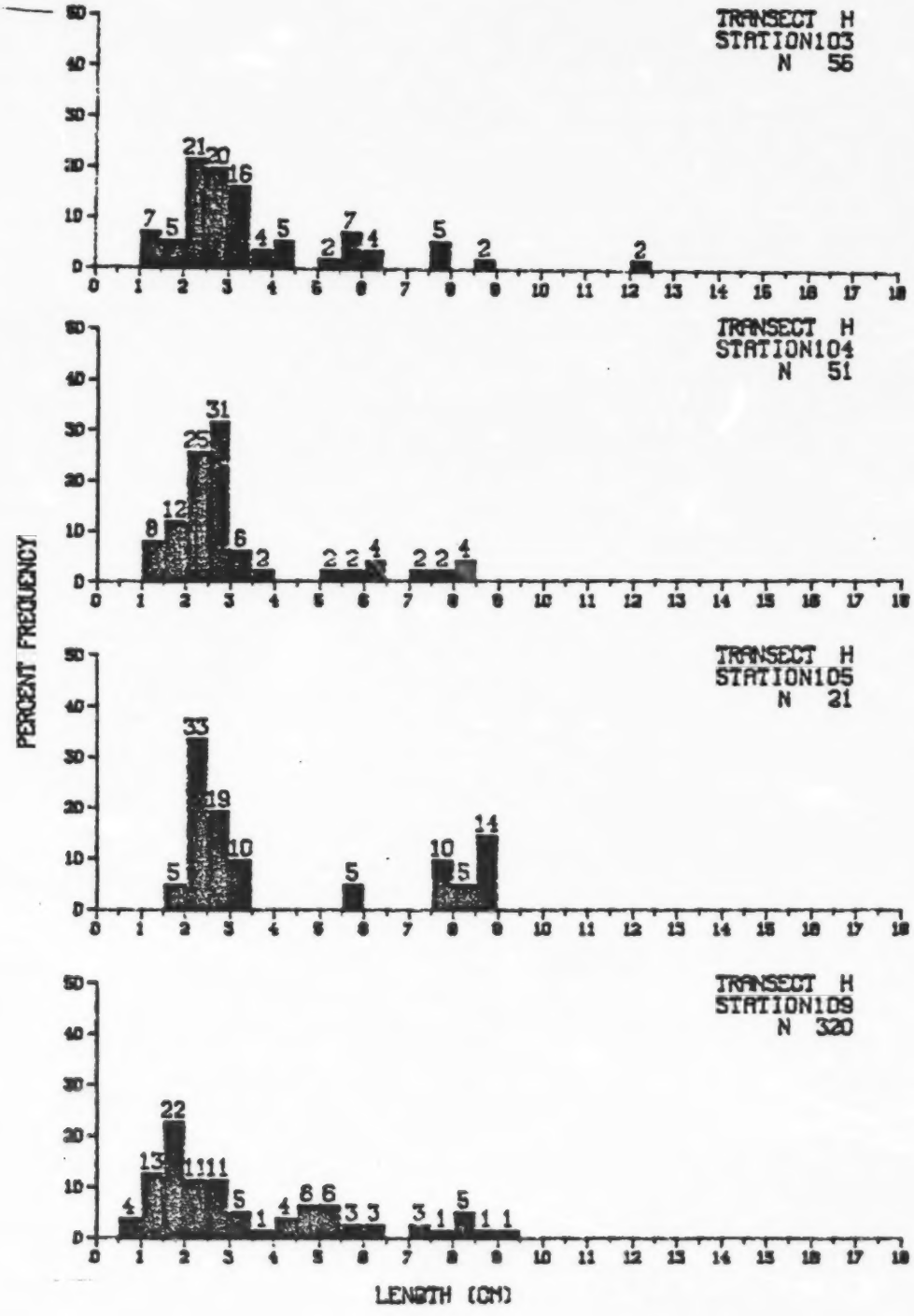

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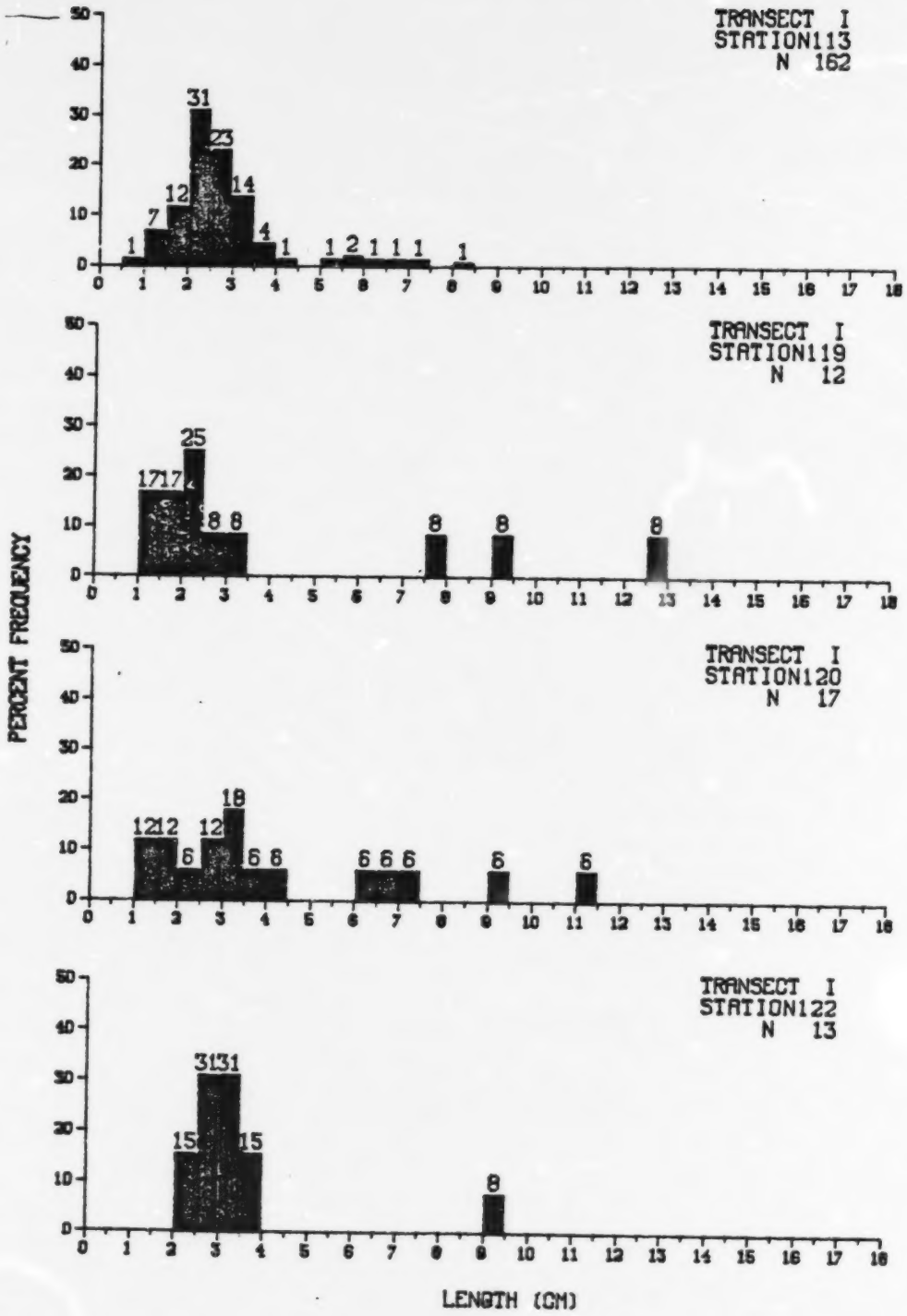

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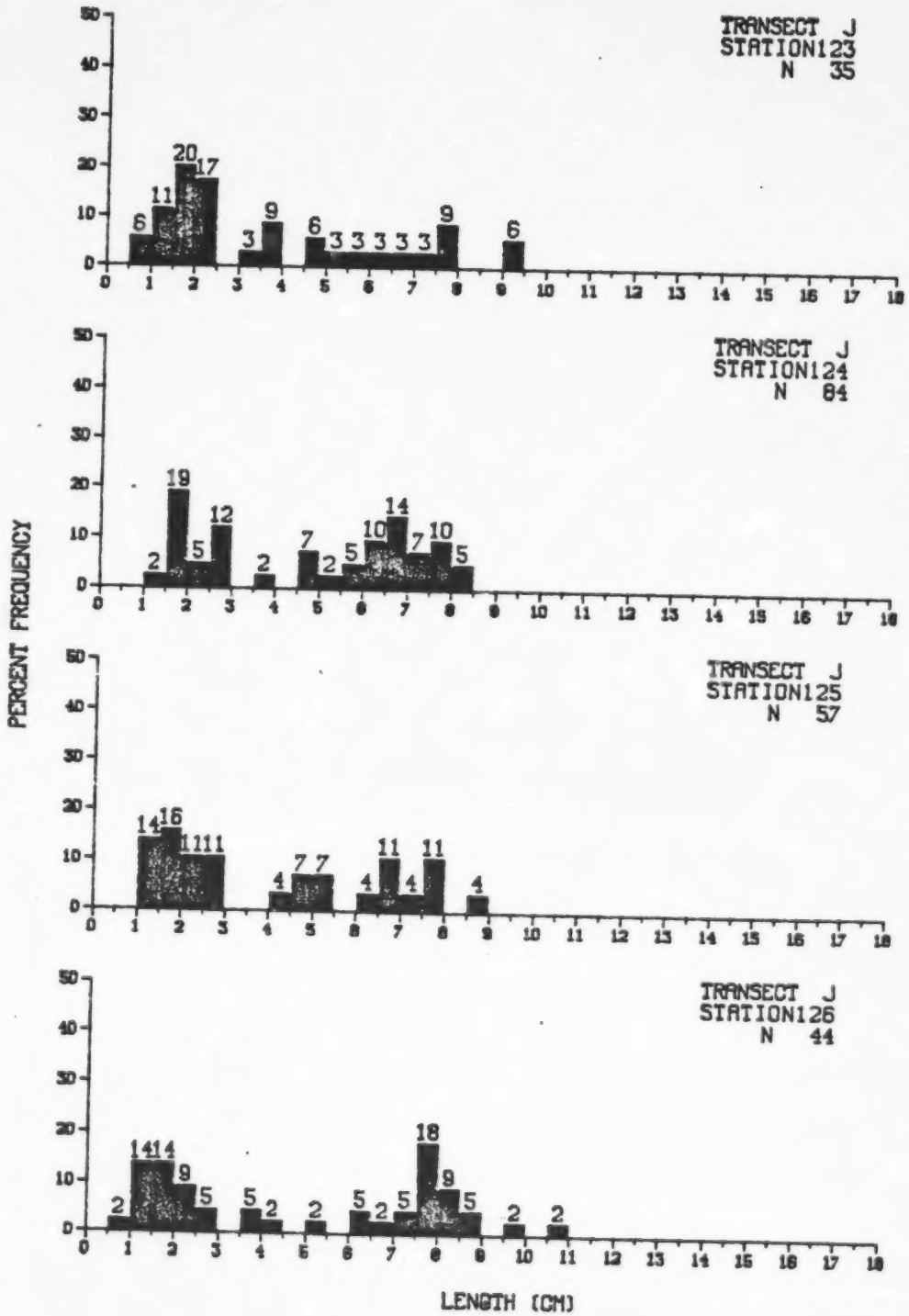

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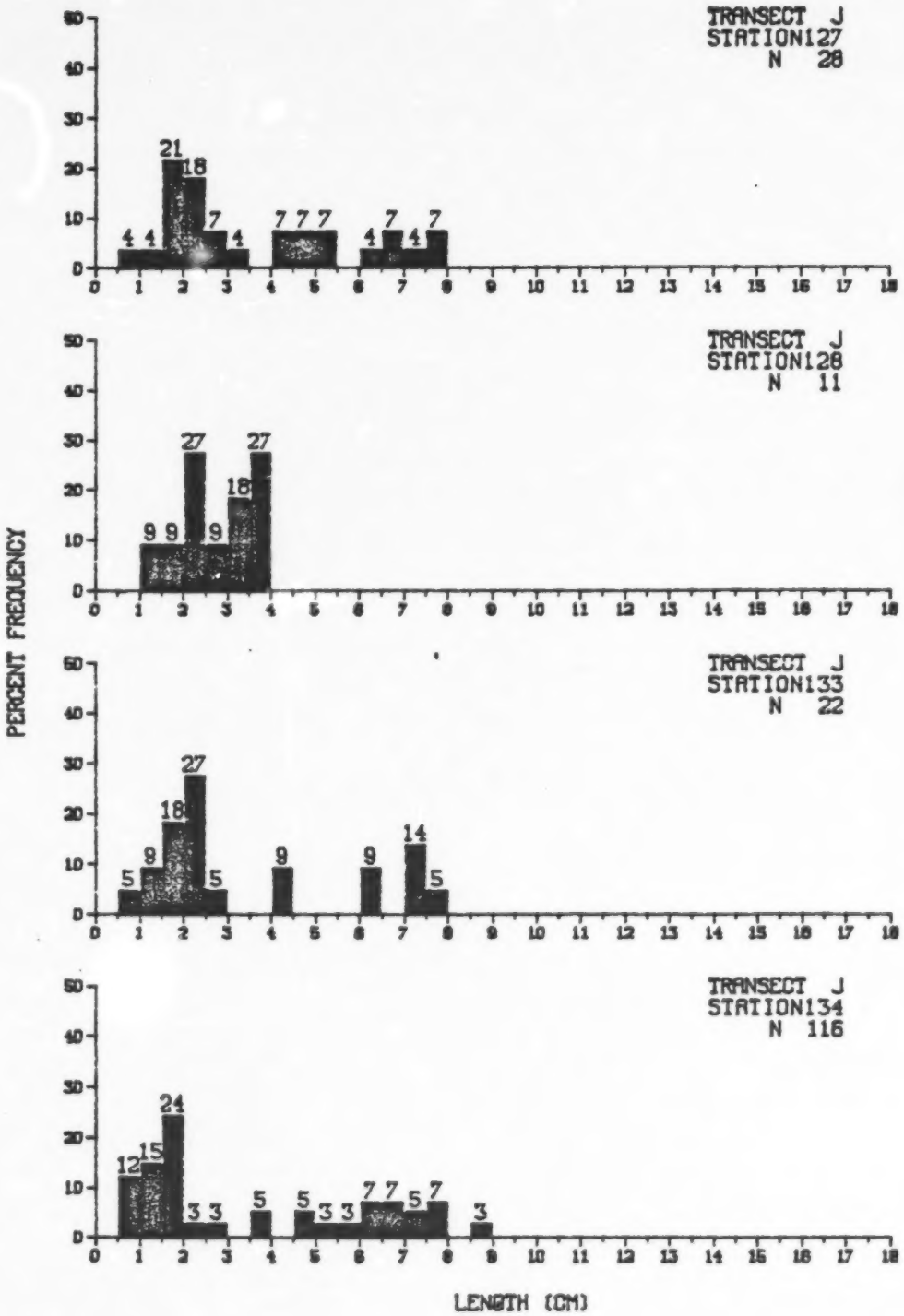

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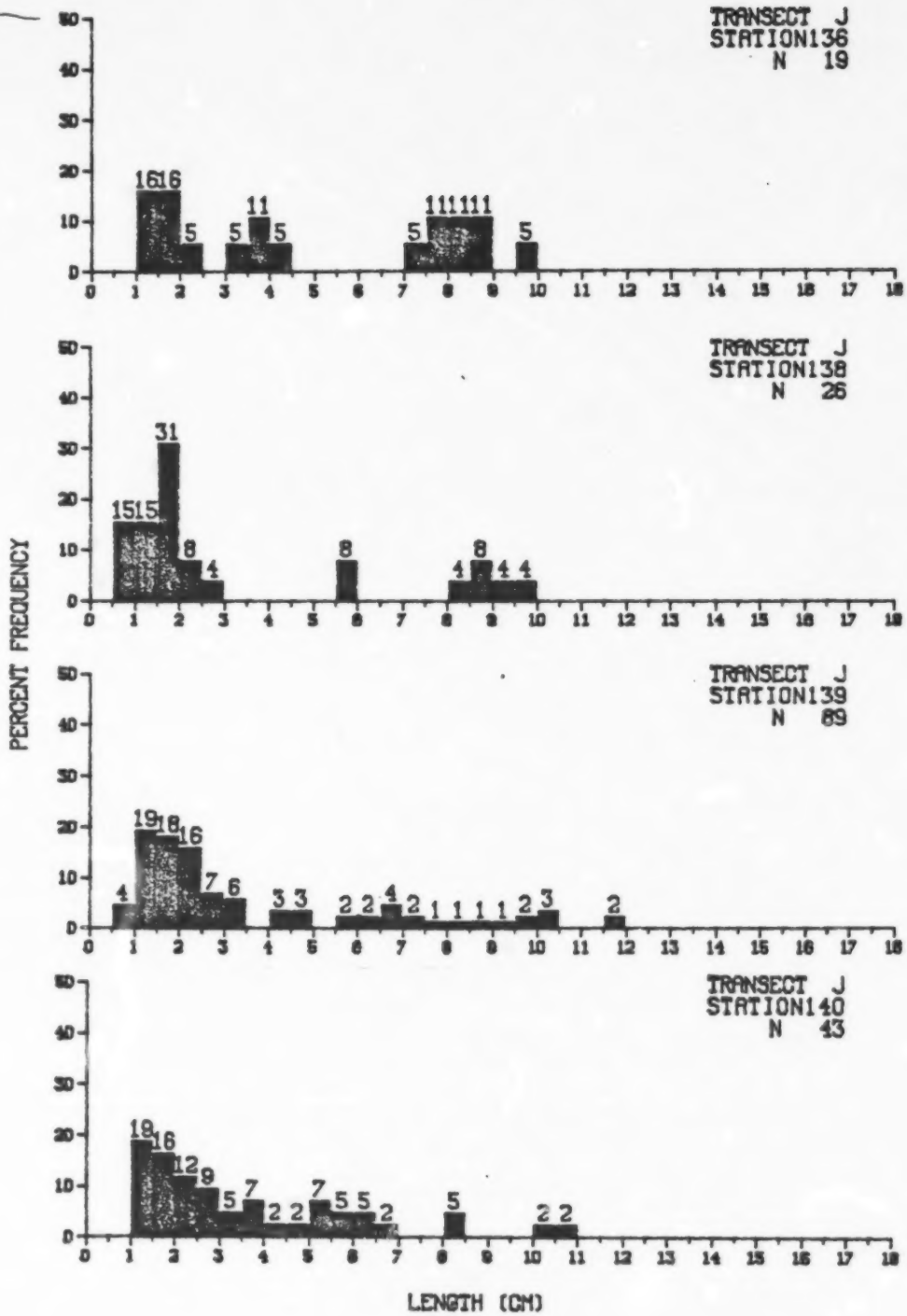

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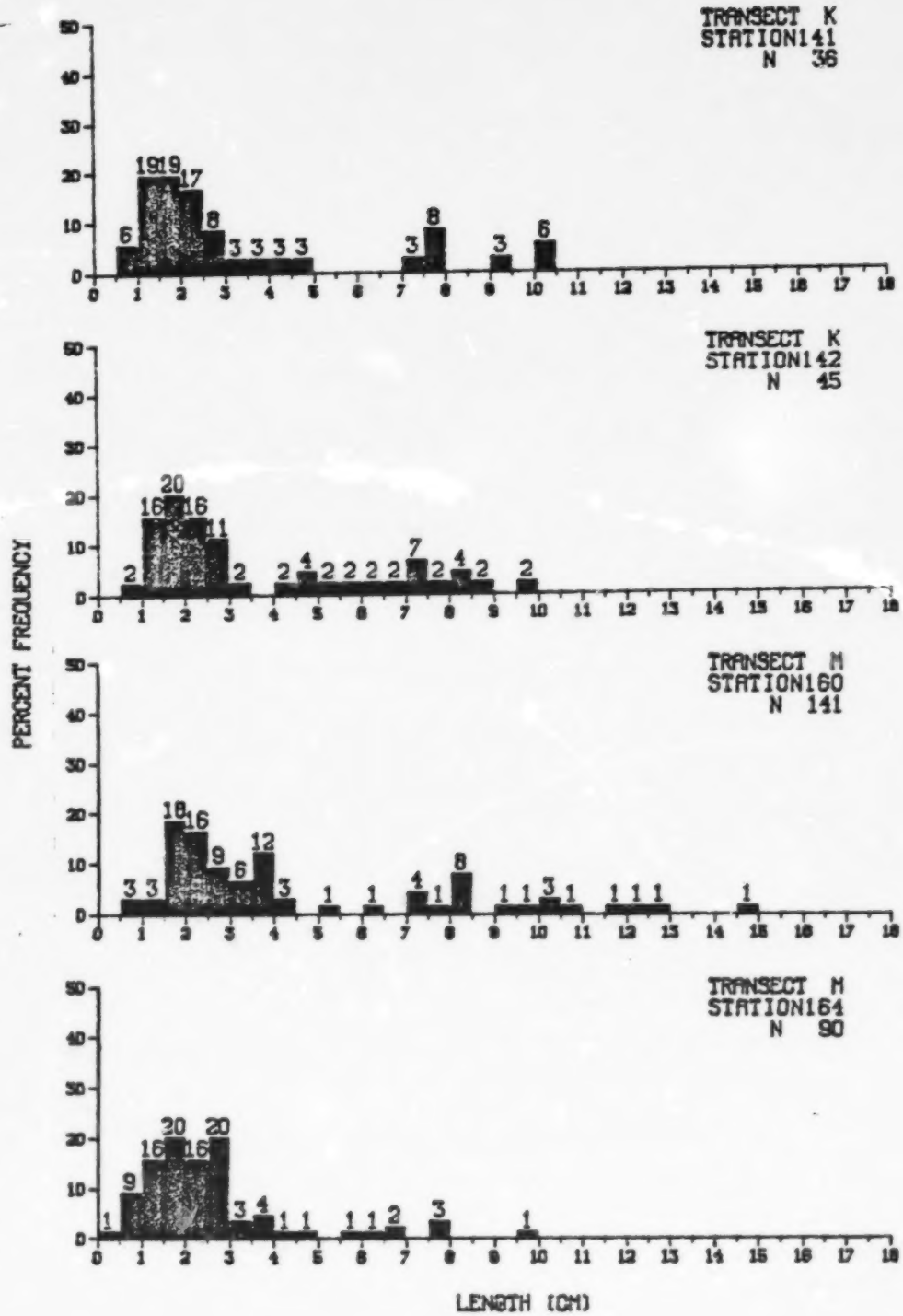

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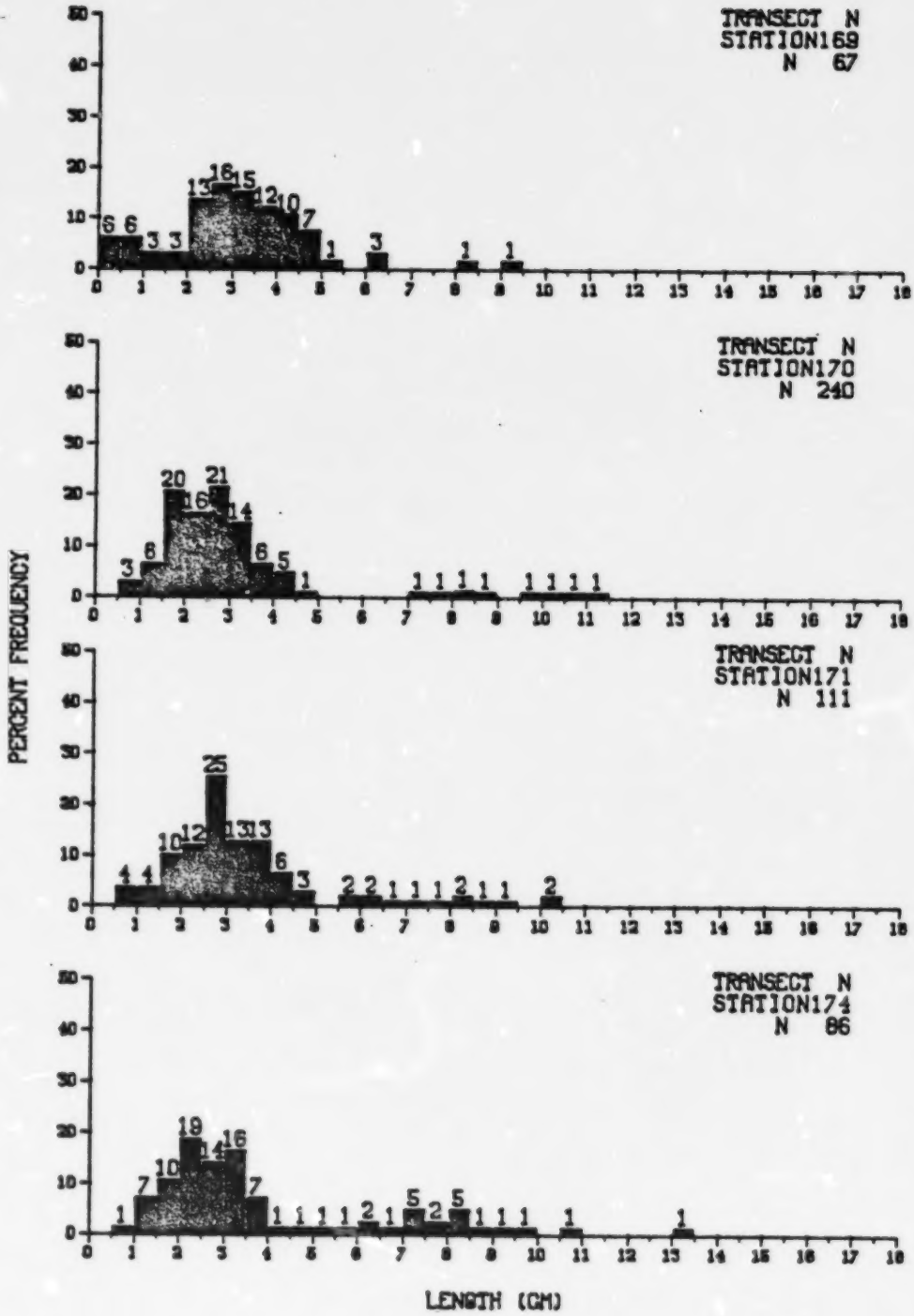

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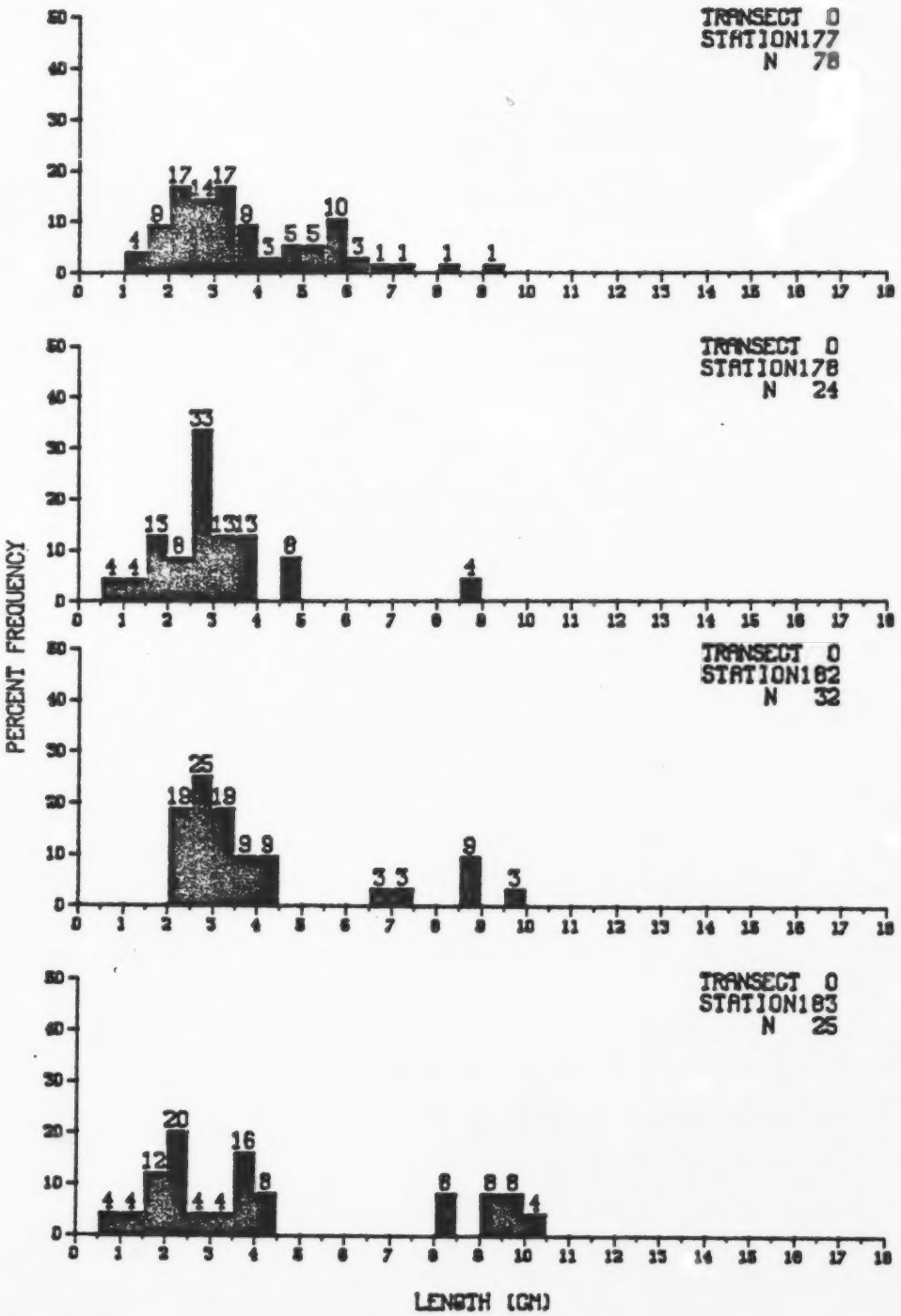

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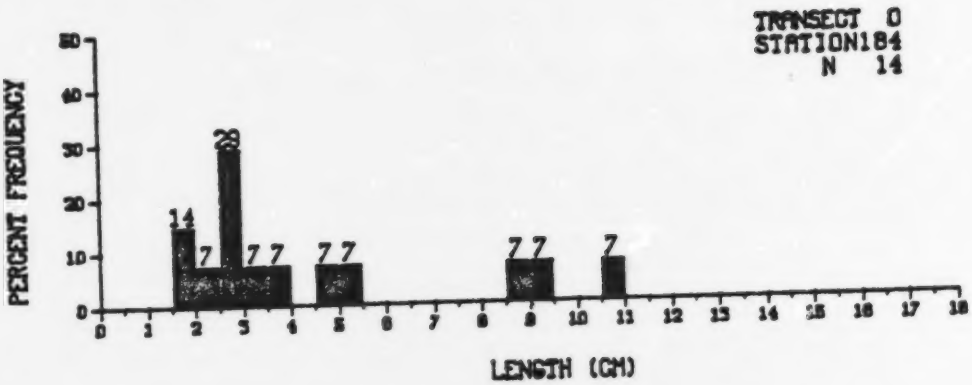

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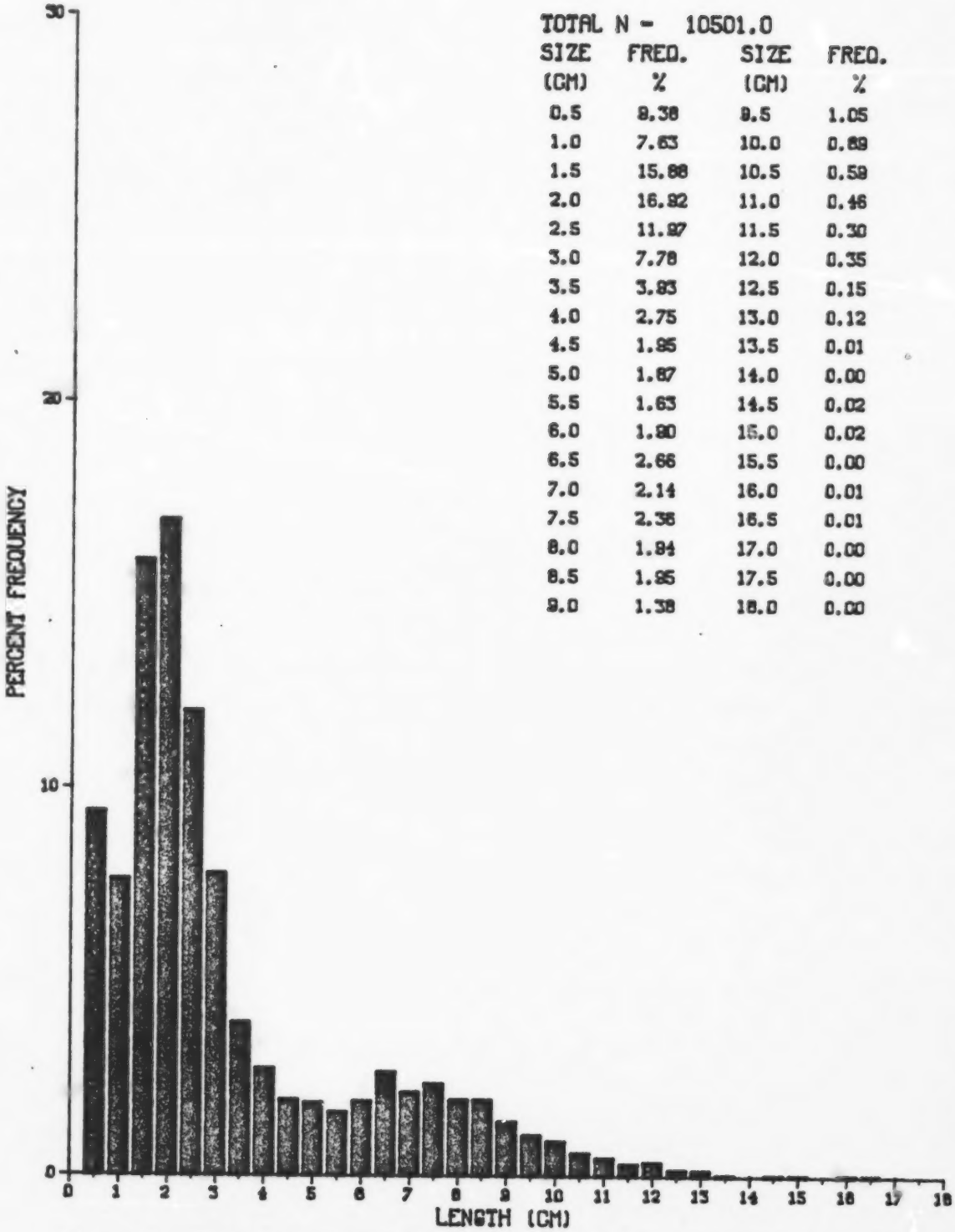

TOTAL N - 10501.0

SIZE (CM)	FREQ. %	SIZE (CM)	FREQ. %
0.5	8.38	9.5	1.05
1.0	7.63	10.0	0.69
1.5	15.88	10.5	0.58
2.0	16.82	11.0	0.46
2.5	11.97	11.5	0.30
3.0	7.78	12.0	0.35
3.5	3.83	12.5	0.15
4.0	2.75	13.0	0.12
4.5	1.85	13.5	0.01
5.0	1.67	14.0	0.00
5.5	1.63	14.5	0.02
6.0	1.80	15.0	0.02
6.5	2.66	15.5	0.00
7.0	2.14	16.0	0.01
7.5	2.36	16.5	0.01
8.0	1.84	17.0	0.00
8.5	1.85	17.5	0.00
9.0	1.38	18.0	0.00

Figure 7. Size frequency distribution of oysters collected over all stations in 1977: 1 yr olds < 2.5 cm in length, 2 yr olds 2.6-4.5 cm, 3 yr olds 4.6-6.5 cm and 4,+ yr olds >6.5 cm.

Appendix. Composition, by weight, of material collected at each station.

Transect Line: A Station No.: 1

Wet Weight of Shell and Live Invertebrates:	1.85 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.23 kg
Wet Weight of Oysters:	0.62 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: A Station No.: 2

Wet Weight of Shell and Live Invertebrates:	0.92 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.86 kg
Wet Weight of Oysters:	0.06 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: A Station No.: 3

Wet Weight of Shell and Live Invertebrates:	3.66 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.53 kg
Wet Weight of Oysters:	1.13 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: A Station No.: 4

Wet Weight of Shell and Live Invertebrates:	5.55 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	4.17 kg
Wet Weight of Oysters:	1.38 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: A Station No.: 5

Wet Weight of Shell and Live Invertebrates:	6.71 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.52 kg
Wet Weight of Oysters:	2.92 kg
Wet Weight of Other Invertebrates:	0.17 kg

Transect Line: A Station No.: 6

Wet Weight of Shell and Live Invertebrates:	13.62 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	7.46 kg
Wet Weight of Oysters:	5.53 kg
Wet Weight of Other Invertebrates:	0.63 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: A Station No.: 7 - No catch.

Transect Line: A Station No.: 8 - No catch.

Transect Line: A Station No.: 9 - No catch.

Transect Line: A Station No.: 10

Wet Weight of Shell and Live Invertebrates:	12.87	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	9.67	kg
Wet Weight of Oysters:	3.20	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: A Station No.: 11

Wet Weight of Shell and Live Invertebrates:	8.90	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	5.13	kg
Wet Weight of Oysters:	2.94	kg
Wet Weight of Other Invertebrates:	0.83	kg

Transect Line: A Station No.: 12 - No catch.

Transect Line: B Station No.: 13

Wet Weight of Shell and Live Invertebrates:	0.32	kg
Wet Weight of Oyster and Shell:	0	kg
Wet Weight of Other Shell:	0.10	kg
Wet Weight of Oysters:	0.20	kg
Wet Weight of Other Invertebrates:	0.02	kg

Transect Line: B Station No.: 14

Wet Weight of Shell and Live Invertebrates:	0.52	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.15	kg
Wet Weight of Oysters:	0.37	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'.d

Transect Line: B Station No.: 15

Wet Weight of Shell and Live Invertebrates:	0.68 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.43 kg
Wet Weight of Oysters:	0.23 kg
Wet Weight of Other Invertebrates: (mussels).....	0.02 kg

Transect Line: B Station No.: 16

Wet Weight of Shell and Live Invertebrates:	0.50 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.46 kg
Wet Weight of Oysters:	0.04 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: B Station No.: 17

Wet Weight of Shell and Live Invertebrates:	1.75 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.56 kg
Wet Weight of Oysters:	0.19 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: B Station No.: 18

Wet Weight of Shell and Live Invertebrates:	10.27 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	7.93 kg
Wet Weight of Oysters:	2.34 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: B Station No.: 19

Wet Weight of Shell and Live Invertebrates:	4.93 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.53 kg
Wet Weight of Oysters:	1.94 kg
Wet Weight of Other Invertebrates: (mussels)	0.46 kg

Transect Line: B Station No.: 20

Wet Weight of Shell and Live Invertebrates:	2.41 kg
Wet Weight of Oyster and Shell:	0 kg
Wet Weight of Other Shell:	2.11 kg
Wet Weight of Oysters:	0.20 kg
Wet Weight of Other Invertebrates:	0.10 kg

...Cont'.d

Appendix. Cont'd.

Transect Line: B Station No.: 21

Wet Weight of Shell and Live Invertebrates:	2.05 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.51 kg
Wet Weight of Oysters:	0.38 kg
Wet Weight of Other Invertebrates: (mussels)	0.16 kg

Transect Line: B Station No.: 22

Wet Weight of Shell and Live Invertebrates:	5.79 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.65 kg
Wet Weight of Oysters:	1.85 kg
Wet Weight of Other Invertebrates: (mussels)	0.29 kg

Transect Line: B Station No.: 23

Wet Weight of Shell and Live Invertebrates:	0.10 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.10 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: B Station No.: 24

Wet Weight of Shell and Live Invertebrates:	0.26 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.26 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: B Station No.: 25 - No catch.

Transect Line: B Station No.: 26

Wet Weight of Shell and Live Invertebrates:	2.68 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.86 kg
Wet Weight of Oysters:	1.81 kg
Wet Weight of Other Invertebrates: (mussels).....	0.01 kg

Transect Line: B Station No.: 27 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: C Station No.: 28

Wet Weight of Shell and Live Invertebrates:	1.35 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.86 kg
Wet Weight of Oysters:	0.49 kg
Wet Weight of Other Invertebrates: (mussels)	0 kg

Transect Line: C Station No.: 29

Wet Weight of Shell and Live Invertebrates:	2.29 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.27 kg
Wet Weight of Oysters:	0.86 kg
Wet Weight of Other Invertebrates: (mussels)	0.16 kg

Transect Line: C Station No.: 30

Wet Weight of Shell and Live Invertebrates:	6.91 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	4.22 kg
Wet Weight of Oysters:	1.42 kg
Wet Weight of Other Invertebrates:	1.27 kg

Transect Line: C Station No.: 31 - No catch.

Transect Line: C Station No.: 32

Wet Weight of Shell and Live Invertebrates:	0.22 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.22 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: C Station No.: 33

Wet Weight of Shell and Live Invertebrates:	4.61 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.80 kg
Wet Weight of Oysters:	0.95 kg
Wet Weight of Other Invertebrates: (mussels)	0.86 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: C Station No.: 34

Wet Weight of Shell and Live Invertebrates:	5.96	kg
Wet Weight of Oyster and Shell:	0	kg
Wet Weight of Other Shell:	3.22	kg
Wet Weight of Oysters:	2.38	kg
Wet Weight of Other Invertebrates:	0.36	kg

Transect Line: C Station No.: 35

Wet Weight of Shell and Live Invertebrates:	0	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	3.72	kg
Wet Weight of Oysters:	0.56	kg
Wet Weight of Other Invertebrates:	0.13	kg

Transect Line: C Station No.: 36

Wet Weight of Shell and Live Invertebrates:	0.66	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.44	kg
Wet Weight of Oysters:	0.22	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: C Station No.: 37

Wet Weight of Shell and Live Invertebrates:	4.50	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.34	kg
Wet Weight of Oysters:	1.16	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: C Station No.: 38

Wet Weight of Shell and Live Invertebrates:	0.31	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0	kg
Wet Weight of Oysters:	0.31	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: C Station No.: 39 - No catch.

Transect Line: C Station No.: 40 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: D Station No.: 41

Wet Weight of Shell and Live Invertebrates:	2.22 kg
Wet Weight of Oyster and Shell:	0 kg
Wet Weight of Other Shell:	0.96 kg
Wet Weight of Oysters:	1.26 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: D Station No.: 42 - No catch.

Transect Line: D Station No.: 43 - No catch.

Transect Line: D Station No.: 44 - No catch.

Transect Line: D Station No.: 45 - No catch.

Transect Line: D Station No.: 46 - No catch.

Transect Line: D Station No.: 47 - No catch.

Transect Line: D Station No.: 48 - No catch.

Transect Line: D Station No.: 49

Wet Weight of Shell and Live Invertebrates:	0.65 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.31 kg
Wet Weight of Oysters:	0.34 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: D Station No.: 50

Wet Weight of Shell and Live Invertebrates:	3.60 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.39 kg
Wet Weight of Oysters:	1.21 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: D Station No.: 51

Wet Weight of Shell and Live Invertebrates:	5.26	kg
Wet Weight of Oyster and Shell:	0	kg
Wet Weight of Other Shell:	3.22	kg
Wet Weight of Oysters:	2.04	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: D Station No.: 52

Wet Weight of Shell and Live Invertebrates:	3.46	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.42	kg
Wet Weight of Oysters:	1.02	kg
Wet Weight of Other Invertebrates: (mussels)	0.02	kg

Transect Line: D Station No.: 53

Wet Weight of Shell and Live Invertebrates:	2.18	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.78	kg
Wet Weight of Oysters:	0.40	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: D Station No.: 54

Wet Weight of Shell and Live Invertebrates:	2.95	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.24	kg
Wet Weight of Oysters:	0.67	kg
Wet Weight of Other Invertebrates: (mussels)	0.04	kg

Transect Line: D Station No.: 55

Wet Weight of Shell and Live Invertebrates:	0.66	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.64	kg
Wet Weight of Oysters:	0.02	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: D Station No.: 56

Wet Weight of Shell and Live Invertebrates:	0.52	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.45	kg
Wet Weight of Oysters:	0.07	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: D Station No.: 57

Wet Weight of Shell and Live Invertebrates:	1.40 kg
Wet Weight of Oyster and Shell:	0 kg
Wet Weight of Other Shell:	0.56 kg
Wet Weight of Oysters:	0.84 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: D Station No.: 58

Wet Weight of Shell and Live Invertebrates:	0.18 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.12 kg
Wet Weight of Oysters:	0.06 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 59

Wet Weight of Shell and Live Invertebrates:	0.99 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.72 kg
Wet Weight of Oysters:	0.27 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 60

Wet Weight of Shell and Live Invertebrates:	3.58 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.31 kg
Wet Weight of Oysters:	1.18 kg
Wet Weight of Other Invertebrates:	0.09 kg

Transect Line: E Station No.: 61

Wet Weight of Shell and Live Invertebrates:	4.72 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.43 kg
Wet Weight of Oysters:	0.83 kg
Wet Weight of Other Invertebrates:	0.46 kg

Transect Line: E Station No.: 62 - No catch.

Transect Line: E Station No.: 63 - No catch.

Transect Line: E Station No.: 64 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: E Station No.: 65

Wet Weight of Shell and Live Invertebrates:	2.81	kg
Wet Weight of Oyster and Shell:	0	kg
Wet Weight of Other Shell:	1.74	kg
Wet Weight of Oysters:	1.07	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: E Station No.: 66 - No catch.

Transect Line: E Station No.: 67

Wet Weight of Shell and Live Invertebrates:	0.20	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.20	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: E Station No.: 68 - No catch.

Transect Line: E Station No.: 69

Wet Weight of Shell and Live Invertebrates:	1.06	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.96	kg
Wet Weight of Oysters:	0.10	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: E Station No.: 70

Wet Weight of Shell and Live Invertebrates:	1.88	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.95	kg
Wet Weight of Oysters:	0.93	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: E Station No.: 71

Wet Weight of Shell and Live Invertebrates:	0.24	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.24	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: E Station No.: 72

Wet Weight of Shell and Live Invertebrates:	2.83 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.19 kg
Wet Weight of Oysters:	0.54 kg
Wet Weight of Other Invertebrates:	0.10 kg

Transect Line: E Station No.: 73

Wet Weight of Shell and Live Invertebrates:	0.75 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.58 kg
Wet Weight of Oysters:	0.17 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 74

Wet Weight of Shell and Live Invertebrates:	0.36 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.03 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 75

Wet Weight of Shell and Live Invertebrates:	0.03 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.03 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: F Station No.: 76

Wet Weight of Shell and Live Invertebrates:	0.69 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.24 kg
Wet Weight of Oysters:	0.42 kg
Wet Weight of Other Invertebrates: (mussels).....	0.03 kg

Transect Line: F Station No.: 77

Wet Weight of Shell and Live Invertebrates:	3.79 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.87 kg
Wet Weight of Oysters:	1.84 kg
Wet Weight of Other Invertebrates:	0.08 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: F Station No.: 78 - No catch.

Transect Line: F Station No.: 79 - No catch.

Transect Line: F Station No.: 80 - No catch.

Transect Line: F Station No.: 81 - No catch.

Transect Line: F Station No.: 82

Wet Weight of Shell and Live Invertebrates:	1.87 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.71 kg
Wet Weight of Oysters:	1.08 kg
Wet Weight of Other Invertebrates: (mussels).....	0.08 kg

Transect Line: F Station No.: 83

Wet Weight of Shell and Live Invertebrates:	4.10 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.64 kg
Wet Weight of Oysters:	0.35 kg
Wet Weight of Other Invertebrates: (mussels).....	0.11 kg

Transect Line: F Station No.: 84

Wet Weight of Shell and Live Invertebrates:	4.58 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.21 kg
Wet Weight of Oysters:	0.80 kg
Wet Weight of Other Invertebrates:	0.57 kg

Transect Line: F Station No.: 85

Wet Weight of Shell and Live Invertebrates:	1.11 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.02 kg
Wet Weight of Oysters:	0.09 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'.d

Transect Line: F Station No.: 86

Wet Weight of Shell and Live Invertebrates:	0.69	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.54	kg
Wet Weight of Oysters:	0.15	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: F Station No.: 87

Wet Weight of Shell and Live Invertebrates:	2.26	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.22	kg
Wet Weight of Oysters:	0.85	kg
Wet Weight of Other Invertebrates: (mussels).....	0.19	kg

Transect Line: G Station No.: 88 - No catch.

Transect Line: G Station No.: 89 - No catch.

Transect Line: G Station No.: 90

Wet Weight of Shell and Live Invertebrates:	0.22	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.22	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: G Station No.: 91

Wet Weight of Shell and Live Invertebrates:	2.98	kg
Wet Weight of Oyster and Shell:	0	kg
Wet Weight of Other Shell:	2.00	kg
Wet Weight of Oysters:	0.98	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: G Station No.: 92 - No catch.

Transect Line: G Station No.: 93 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: G Station No.: 94

Wet Weight of Shell and Live Invertebrates:	0.30	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.30	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: G Station No.: 95

Wet Weight of Shell and Live Invertebrates:	4.26	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.27	kg
Wet Weight of Oysters:	1.87	kg
Wet Weight of Other Invertebrates:	0.12	kg

Transect Line: G Station No.: 96

Wet Weight of Shell and Live Invertebrates:	N/A	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.39	kg
Wet Weight of Oysters:	N/A	kg
Wet Weight of Other Invertebrates:	0.33	kg

Transect Line: G Station No.: 97

Wet Weight of Shell and Live Invertebrates:	0.53	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.46	kg
Wet Weight of Oysters:	0.07	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: G Station No.: 98

Wet Weight of Shell and Live Invertebrates:	0.64	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.51	kg
Wet Weight of Oysters:	0.13	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: G Station No.: 99

Wet Weight of Shell and Live Invertebrates:	0.48	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.29	kg
Wet Weight of Oysters:	0.19	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: H Station No.: 100

Wet Weight of Shell and Live Invertebrates:	4.06 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.05 kg
Wet Weight of Oysters:	2.99 kg
Wet Weight of Other Invertebrates: (mussels).....	0.02 kg

Transect Line: H Station No.: 101

Wet Weight of Shell and Live Invertebrates:	1.44 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.12 kg
Wet Weight of Oysters:	0.25 kg
Wet Weight of Other Invertebrates: (mussels).....	0.07 kg

Transect Line: H Station No.: 102

Wet Weight of Shell and Live Invertebrates:	0.12 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.12 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: H Station No.: 103

Wet Weight of Shell and Live Invertebrates:	3.03 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.52 kg
Wet Weight of Oysters:	0.32 kg
Wet Weight of Other Invertebrates:	0.22 kg

Transect Line: H Station No.: 104

Wet Weight of Shell and Live Invertebrates:	3.06 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.52 kg
Wet Weight of Oysters:	0.32 kg
Wet Weight of Other Invertebrates:	0.22 kg

Transect Line: H Station No.: 105

Wet Weight of Shell and Live Invertebrates:	1.47 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.06 kg
Wet Weight of Oysters:	0.35 kg
Wet Weight of Other Invertebrates:	0.06 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: H Station No.: 106 - No catch.

Transect Line: H Station No.: 107 - No catch.

Transect Line: H Station No.: 108 - No catch.

Transect Line: H Station No.: 109

Wet Weight of Shell and Live Invertebrates:	5.69	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.99	kg
Wet Weight of Oysters:	2.70	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: I Station No.: 110 - No catch.

Transect Line: I Station No.: 111

Wet Weight of Shell and Live Invertebrates:	0.06	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.01	kg
Wet Weight of Oysters:	0.05	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: I Station No.: 112

Wet Weight of Shell and Live Invertebrates:	0.09	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.08	kg
Wet Weight of Oysters:	0.01	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: I Station No.: 113

Wet Weight of Shell and Live Invertebrates:	3.33	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.71	kg
Wet Weight of Oysters:	0.43	kg
Wet Weight of Other Invertebrates: (mussels).....	0.20	kg

Transect Line: I Station No.: 114 - No catch.

Transect Line: I Station No.: 115 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: I Station No.: 116

Wet Weight of Shell and Live Invertebrates:	0.79	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.79	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: I Station No.: 117

Wet Weight of Shell and Live Invertebrates:	0.17	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.11	kg
Wet Weight of Oysters:	0.06	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: I Station No.: 118

Wet Weight of Shell and Live Invertebrates:	0.15	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.09	kg
Wet Weight of Oysters:	0.06	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: I Station No.: 119

Wet Weight of Shell and Live Invertebrates:	0.42	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.24	kg
Wet Weight of Oysters:	0.18	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: I Station No.: 120

Wet Weight of Shell and Live Invertebrates:	1.32	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.04	kg
Wet Weight of Oysters:	0.28	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: I Station No.: 121

Wet Weight of Shell and Live Invertebrates:	0.95	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.95	kg
Wet Weight of Oysters:	N/A	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: I Station No.: 122

Wet Weight of Shell and Live Invertebrates:	0.72	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.61	kg
Wet Weight of Oysters:	0.11	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 123

Wet Weight of Shell and Live Invertebrates:	2.52	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.84	kg
Wet Weight of Oysters:	0.61	kg
Wet Weight of Other Invertebrates: (mussels).....	0.07	kg

Transect Line: J Station No.: 124

Wet Weight of Shell and Live Invertebrates:	4.74	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.67	kg
Wet Weight of Oysters: , ...	2.07	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 125

Wet Weight of Shell and Live Invertebrates:	4.28	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	3.38	kg
Wet Weight of Oysters:	0.90	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 126

Wet Weight of Shell and Live Invertebrates:	3.46	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.02	kg
Wet Weight of Oysters:	1.37	kg
Wet Weight of Other Invertebrates: (mussels).....	0.07	kg

Transect Line: J Station No.: 127

Wet Weight of Shell and Live Invertebrates:	2.34	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.71	kg
Wet Weight of Oysters:	0.41	kg
Wet Weight of Other Invertebrates: (mussels).....	0.22	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: J Station No.: 128

Wet Weight of Shell and Live Invertebrates:	0.73	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.73	kg
Wet Weight of Oysters:	N/A	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 129

Wet Weight of Shell and Live Invertebrates:	0.20	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.20	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 130

Wet Weight of Shell and Live Invertebrates:	0.66	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.66	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 131

Wet Weight of Shell and Live Invertebrates:	0.52	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.52	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 132

Wet Weight of Shell and Live Invertebrates:	4.73	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.67	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 133

Wet Weight of Shell and Live Invertebrates:	2.13	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.87	kg
Wet Weight of Oysters:	0.26	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: J Station No.: 134

Wet Weight of Shell and Live Invertebrates:	7.23	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	5.06	kg
Wet Weight of Oysters:	2.17	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 135 - No catch.

Transect Line: J Station No.: 136

Wet Weight of Shell and Live Invertebrates:	1.68	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.26	kg
Wet Weight of Oysters:	0.42	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 137

Wet Weight of Shell and Live Invertebrates:	0.48	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.40	kg
Wet Weight of Oysters:	0.08	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 138

Wet Weight of Shell and Live Invertebrates:	0.65	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.35	kg
Wet Weight of Oysters:	0.30	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: J Station No.: 139

Wet Weight of Shell and Live Invertebrates:	2.51	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.40	kg
Wet Weight of Oysters:	1.05	kg
Wet Weight of Other Invertebrates: (mussels).....	0.06	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: J Station No.: 140

Wet Weight of Shell and Live Invertebrates:	2.24 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.68 kg
Wet Weight of Oysters:	0.56 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: K Station No.: 141

Wet Weight of Shell and Live Invertebrates:	2.11 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.22 kg
Wet Weight of Oysters:	0.55 kg
Wet Weight of Other Invertebrates: (mussels).....	0.34 kg

Transect Line: K Station No.: 142

Wet Weight of Shell and Live Invertebrates:	3.05 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.88 kg
Wet Weight of Oysters:	0.77 kg
Wet Weight of Other Invertebrates:	0.40 kg

Transect Line: K Station No.: 143

Wet Weight of Shell and Live Invertebrates:	0.39 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.39 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: K Station No.: 144

Wet Weight of Shell and Live Invertebrates:	0.47 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.25 kg
Wet Weight of Oysters:	0.22 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: K Station No.: 145

Wet Weight of Shell and Live Invertebrates:	0.13 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.13 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: K Station No.: 146 - No catch.

Transect Line: K Station No.: 147 - No catch.

Transect Line: K Station No.: 148 - No catch.

Transect Line: K Station No.: 149 - No catch.

Transect Line: K Station No.: 150 - No Catch.

Transect Line: L Station No.: 151

Wet Weight of Shell and Live Invertebrates:	0.91	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.48	kg
Wet Weight of Oysters:	0.26	kg
Wet Weight of Other Invertebrates: (mussels).....	0.17	kg

Transect Line: L Station No.: 152

Wet Weight of Shell and Live Invertebrates:	0.23	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.23	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: L Station No.: 153

Wet Weight of Shell and Live Invertebrates:	0.67	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.58	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates: (mussels).....	0.09	kg

Transect Line: L Station No.: 154

Wet Weight of Shell and Live Invertebrates:	0.15	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.04	kg
Wet Weight of Oysters:	0.11	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: L Station No.: 155 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: L Station No.: 156 - No catch.

Transect Line: L Station No.: 157 - No catch.

Transect Line: L Station No.: 158 - No catch.

Transect Line: M Station No.: 159 - No catch.

Transect Line: M Station No.: 160

Wet Weight of Shell and Live Invertebrates:	5.31 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.04 kg
Wet Weight of Oysters:	2.15 kg
Wet Weight of Other Invertebrates: (mussels).....	0.12 kg

Transect Line: M Station No.: 161 - No catch.

Transect Line: M Station No.: 162 - No catch.

Transect Line: M Station No.: 163

Wet Weight of Shell and Live Invertebrates:	0.52 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.43 kg
Wet Weight of Oysters:	0.09 kg
Wet Weight of Other Invertebrates: (mussels).....	0 kg

Transect Line: M Station No.: 164

Wet Weight of Shell and Live Invertebrates:	2.15 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.64 kg
Wet Weight of Oysters:	0.46 kg
Wet Weight of Other Invertebrates:	0.05 kg

Transect Line: M Station No.: 165

Wet Weight of Shell and Live Invertebrates:	0.53 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.29 kg
Wet Weight of Oysters:	0.24 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: M Station No.: 166

Wet Weight of Shell and Live Invertebrates:	0.23	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.23	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: N Station No.: 167 - No catch.

Transect Line: N Station No.: 168

Wet Weight of Shell and Live Invertebrates:	0.67	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.65	kg
Wet Weight of Oysters:	0.02	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: N Station No.: 169

Wet Weight of Shell and Live Invertebrates:	1.48	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.98	kg
Wet Weight of Oysters:	0.36	kg
Wet Weight of Other Invertebrates: (mussels).....	0.14	kg

Transect Line: N Station No.: 170

Wet Weight of Shell and Live Invertebrates:	3.65	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.36	kg
Wet Weight of Oysters:	1.29	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: N Station No.: 171

Wet Weight of Shell and Live Invertebrates:	2.23	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.71	kg
Wet Weight of Oysters:	0.49	kg
Wet Weight of Other Invertebrates: (mussels).....	0.03	kg

Transect Line: N Station No.: 172 - No catch.

Transect Line: N Station No.: 173 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: N Station No.: 174

Wet Weight of Shell and Live Invertebrates:	4.99 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.50 kg
Wet Weight of Oysters:	0.81 kg
Wet Weight of Other Invertebrates: (mussels).....	0.68 kg

Transect Line: N Station No.: 175 - No catch.

Transect Line: O Station No.: 176 - No catch.

Transect Line: O Station No.: 177

Wet Weight of Shell and Live Invertebrates:	2.55 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.83 kg
Wet Weight of Oysters:	0.56 kg
Wet Weight of Other Invertebrates: (mussels).....	0.16 kg

Transect Line: O Station No.: 178

Wet Weight of Shell and Live Invertebrates:	4.21 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.90 kg
Wet Weight of Oysters:	0.09 kg
Wet Weight of Other Invertebrates:	3.22 kg

Transect Line: O Station No.: 179 - No catch.

Transect Line: O Station No.: 180 - No catch.

Transect Line: O Station No.: 181 - No catch.

Transect Line: O Station No.: 182

Wet Weight of Shell and Live Invertebrates:	1.57 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.42 kg
Wet Weight of Oysters:	0.97 kg
Wet Weight of Other Invertebrates: (mussels).....	0.18 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: O Station No.: 183

Wet Weight of Shell and Live Invertebrates:	0.69	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.14	kg
Wet Weight of Oysters:	0.55	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: O Station No.: 184

Wet Weight of Shell and Live Invertebrates:	0.50	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.08	kg
Wet Weight of Oysters:	0.42	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: P Station No.: 185

Wet Weight of Shell and Live Invertebrates:	0	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: P Station No.: 186

Wet Weight of Shell and Live Invertebrates:	0	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg